MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Magic Renew Tub & Tile Refinishing Kit
Product Code: 3020
Supplier: MAGIC AMERICAN PRODUCTS
755 TRI STATE PKWY
GURNEE, IL 60031
1-800-328-9248

Emergency Contact:
24-Hour Number: 1-800-535-5053
International: 1-352-323-3500
Date: 11/6/2006

***** THIS PRODUCT IS A MULTI-COMPONENT KIT. BOTH PART A AND PART B MSDSs FOLLOW *****

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):
MAGIC RENEW , WHITE, PART A

PRODUCT CODES:
RNWTT (PART A)

PRODUCT USE:
Refinishing paint

2. COMPOSITION and INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>% w/w</th>
<th>ACGIH-TLV</th>
<th>OSHA-PEL</th>
<th>NIOSH-REL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/m^3</td>
<td>mg/m^3</td>
<td>mg/m^3</td>
</tr>
<tr>
<td>Dimethyl ether (propellant)</td>
<td>115-10-6</td>
<td>40 - 70</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10 - 30</td>
<td>10</td>
<td>NE **</td>
<td>15 **</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>107-98-2</td>
<td>5 - 10</td>
<td>369</td>
<td>553</td>
<td>NE</td>
</tr>
<tr>
<td>Polyamide resin</td>
<td>68410-23-1</td>
<td>5 - 10</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>7 - 13</td>
<td>9 (skin)</td>
<td>NE</td>
<td>240 (skin)</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
<td>3 - 7</td>
<td>606</td>
<td>909</td>
<td>600</td>
</tr>
<tr>
<td>Curing agent</td>
<td>NA</td>
<td>3 - 7</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

NE = Not Established; * = respirable dust; ** = total dust. See Section 16 for Definitions of Terms Used.

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL DESCRIPTION: This product is a white aerosol with a hydrocarbon odor.

HEALTH HAZARD: This product can cause irritation to the eyes or skin. This product is harmful if swallowed, inhaled, or absorbed through the skin. If vapors, mists or particulates of this product are inhaled, irritation of the nose or throat could occur. Polyamide resin, a component of this product, is a skin and respiratory sensitizer. Dimethyl ether is an anesthetic, overexposure can cause loss of consciousness.

FIRE HAZARD: This product is extremely flammable. Vapor can cause flash fire.

REACTIVITY HAZARD: This product is stable under ordinary conditions of use and storage.

ENVIRONMENTAL HAZARD: This product does not normally present a significant hazard to aquatic or terrestrial life in consumer quantities.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of occupational overexposure are inhalation and contact with skin and eyes. The symptoms of overexposure to this product are as follows:
INHALATION: Vapors, mists, sprays, or dusts of this product can cause irritation to the respiratory tract. High concentrations of 1-Methoxy-2-propanol, a component of this product, can cause central nervous system depression characterized by headache, nausea, dizziness, confusion, unconsciousness, coma, and death. Overexposure to this product can cause liver, kidney and blood disorders. Polyamide resin, a component of this product, is a respiratory sensitizer. Repeated exposure to Polyamide resin vapors can cause an allergic respiratory reaction similar to asthma.

CONTACT WITH SKIN or EYES: Contact can cause severe eye irritation. Prolonged eye exposure may include redness, pain, and tearing. If this product contaminates the eyes, irreversible eye injury can occur. Skin contact can result in redness, pain, ulceration and scarring. Polyamide resin, a component of this product, is a skin sensitizer. Repeated exposure to Polyamide resin liquid can cause an allergic skin reaction. 1- Methoxy-2-propanol can cause excessive tearing.

SKIN ABSORPTION: Polyamide resin and 1-Methoxy-2-propanol, components of this product, can potentially be absorbed through the skin.

INGESTION: If this product is swallowed, severe irritation or severe corrosive burns to the mouth, throat, and other tissues of the gastro-intestinal system can occur. Ingestion of this product can cause liver, kidney and blood disorders, or central nervous system effects. Ingestion of large amounts can cause irritation, pain, vomiting, and diarrhea. If vomiting results in aspiration, chemical pneumonia could follow.

INJECTION: Accidental injection of this product can cause burning, reddening, and swelling in addition to the wound. Symptoms of such exposure can include those described under “Inhalation”, “Contact with Skin or Eyes,” and “Ingestion”.

Hazardous Materials Identification System (HMIS)

<table>
<thead>
<tr>
<th>Hazardous Materials Identification System (HMIS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
</tr>
<tr>
<td>Flammability</td>
</tr>
<tr>
<td>Physical Hazard</td>
</tr>
<tr>
<td>Protective Equipment</td>
</tr>
</tbody>
</table>

See Section 16 for Definition of Ratings

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: Depending on the duration of contact, overexposures can irritate the eyes, skin, mucous membranes, and other exposed tissue. Inhalation overexposure can result in central nervous system depression, dizziness, fatigue, vomiting, and headaches.

CHRONIC: Long-term skin or eye contact can result in dermatitis or eye irritation. Over exposure could cause adverse effects to liver, kidney and central nervous system.

TARGET ORGANS: Acute: Skin, eyes, lungs, central nervous system. Chronic: Skin, eyes, liver, kidneys, blood and blood-forming organs.

4. FIRST-AID MEASURES

Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

SKIN EXPOSURE: If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention if any adverse exposure symptoms develop.

EYE EXPOSURE: If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

INHALATION: If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, respiratory or lymphoid system function can be more susceptible to health effects associated with overexposures to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: -42°F (-41.1°C) (Setaflash closed cup) (Dimethyl ether)

AUTOIGNITION TEMPERATURE: 662°F (350°C) (Dimethyl ether)

FLAMMABLE LIMITS (in air by volume, %): Lower: 3.4 %(Dimethyl ether) Upper: 27 % (Dimethyl ether)
FIRE EXTINGUISHING MATERIALS: Use extinguishing material suitable to the surrounding fire.

<table>
<thead>
<tr>
<th>Material</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Spray</td>
<td>OK</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>OK</td>
</tr>
<tr>
<td>Foam</td>
<td>OK</td>
</tr>
<tr>
<td>Dry Chemical</td>
<td>OK</td>
</tr>
<tr>
<td>Halon</td>
<td>OK</td>
</tr>
<tr>
<td>Other: Any “ABC” Class</td>
<td></td>
</tr>
</tbody>
</table>

OTHER: See Section 16 for definitions of ratings

UNUSUAL FIRE AND EXPLOSION HAZARDS: When involved in a fire, this material can decompose generating dusts, irritating fumes and toxic gases (e.g., Carbon monoxide, Carbon dioxide, and oxides of Nitrogen).

Explosion Sensitivity to Mechanical Impact: Not sensitive under normal conditions.

Explosion Sensitivity to Static Discharge: Not sensitive under normal conditions.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Trained personnel using pre-planned procedures should respond to uncontrolled releases. Proper protective equipment should be used. In case of a spill, clear the affected area and protect people.

RESPONSE TO INCIDENTAL RELEASSE: Personnel who have received basic chemical safety training can generally handle small-scale releases, such as 1 container of this product. Respond to incidental chemical releases by wearing gloves, goggles, and appropriate body protection.

RESPONSE TO NON-INCIDENTAL RELEASES: Respond to non-incidental chemical releases of this product, such as the simultaneous puncturing of several containers, by clearing the impacted area and contacting appropriate emergency personnel. Clean up should only be done by qualified personnel. Responders should wear the level of protection appropriate to the type of chemical released, the volume of the material spilled, and the location where the incident has occurred. Minimum Personal Protective Equipment should be Level B: triple-gloves, chemical resistant apron, boots, and splash goggles and Self-Contained Breathing Apparatus. Level B should also be used when oxygen levels are below 19.5% or are unknown.

RESPONSE EQUIPMENT AND PROCEDURES: Absorb spilled liquid with polypads or other suitable absorbent materials. Decontaminate the area thoroughly. Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Place all spill residues in a suitable container and seal. Dispose of in accordance with applicable U.S. Federal, State, or local procedures or appropriate standards of Canada (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after using this product. Do not eat or drink while using this material. Avoid generating dusts, mists or sprays of this product. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to use it safely. Open containers carefully on a stable surface. Empty containers can contain residual material; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Keep container tightly closed when not in use. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Control possible sources of ignition.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all rinsates and dispose of according to applicable U.S. Federal, State, or local procedures or appropriate Canadian standards.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control dusts, mists, fumes or vapors. Maintain airborne contaminant concentrations below guidelines listed in Section 2 (Composition and Information on Ingredients). Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres use of a full-face-piece pressure/demand SCBA or a full face-piece, supplied air

**EYE PROTECTION:** For consumer use, wearing eye protection (such as splash goggles) is advisable. However, for specific industrial applications, enhanced eye protection can be necessary. Use approved safety goggles or safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or appropriate Canadian standards.

**HAND PROTECTION:** For consumer use, wearing protective gloves is recommended. For specific industrial applications, wear chemical impervious gloves (e.g., Neoprene or Nitrile). If necessary, refer to U.S. OSHA 29 CFR 1910.138 or the appropriate standards of Canada.

**BODY PROTECTION:** For consumer use, no specific body protection is normally needed. For specific industrial applications, body protection is not normally needed. Use body protection appropriate for task (e.g., Tyvek suit, rubber apron). If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects can pierce the soles of the feet or where employee’s feet can be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

**HMIS PERSONAL PROTECTIVE EQUIPMENT RATING:** Industrial Use situations: C; Safety glasses, gloves and body protection.

9. **PHYSICAL and CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Vapor Density (air = 1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.38</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Negligible.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>62.3 psig (Dimethyl ether)</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Coefficient of Oil/Water Distribution</td>
<td>Not available.</td>
</tr>
<tr>
<td>V.O.C. mixed</td>
<td>Less than 65 %</td>
</tr>
<tr>
<td>M.I.R. mixed</td>
<td>Less than 1.4</td>
</tr>
<tr>
<td>Appearance, Odor and Color</td>
<td>This product is a white aerosol with a hydrocarbon odor.</td>
</tr>
<tr>
<td>How to Detect this Substance</td>
<td>The appearance and odor of this product can act as warning properties in the event of an accidental release.</td>
</tr>
</tbody>
</table>

10. **STABILITY and REACTIVITY**

**Stability:** Stable under normal circumstances of use and handling.

**Decomposition Products:** Thermal decomposition of this product can generate dusts, irritating fumes, and toxic gases (e.g., Carbon monoxide, Carbon dioxide, and oxides of Nitrogen).

**Materials with Which Substance is Incompatible:** This product is not compatible with strong bases, strong acids, and powerful oxidizers.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid contact with incompatible chemicals. Avoid using product in a confined space.

11. **TOXICOLOGICAL INFORMATION**

**Toxicity Data:** There are currently no toxicity data available for this product; the following toxicology information is available for components greater than 1% in concentration.

**The following data are available for Polyamide resin:**
- Rat - oral, LD$_{50}$: 4340 mg/kg
- Rabbit - skin absorption, LD$_{50}$: 800 mg/kg

**The following data are available for 1-Methoxy-2-propanol:**
- Skin-Rabbit, adult 500 mg open Mild irritation effects
- Eye effects-Rabbit, adult 230 mg Mild irritation effects
- Inhalation-Rat TCL$_{0}$:3000 ppm/6H (6-15D preg): Teratogenic effects
- Inhalation-Human TCL$_{0}$:3000 ppm: NOSE, Central nervous system effects, Gastrointestinal tract effects
- Oral-Rat LD$_{50}$:5660 mg/kg
- Inhalation-Rat LO$_{C0}$:7000 ppm/4H
- Intraperitoneal-Rat LD$_{50}$:3720 mg/kg
- Subcutaneous-Rat LD$_{50}$:7800 mg/kg
- Intravenous-Rat LD$_{50}$:4200 mg/kg
- Oral-Mouse LD$_{50}$:11,700 mg/kg
- Intravenous-Mouse LD$_{50}$:5300 mg/kg

**The following data are available for 2-Butoxyethanol:**
- Skin-Rabbit, adult 500 mg open Mild irritation effects
- Inhalation-Rat TCL$_{0}$:200 ppm/6H (female 6-15D post): Reproductive effects
- Inhalation-Rabbit, adult TCL$_{0}$:100 ppm/6H (female 6-18D post): Teratogenic effects
- Oral-Woman TD$_{L0}$:600 mg/kg
Inhalation-Human TCLo: 195 ppm/8H: Gastrointestinal tract effects
Inhalation-Human TCLo: 100 ppm: NOSE, Eye effects, Central nervous system effects
Oral-Rat LD50: 470 mg/kg
Inhalation-Rat LC50: 2900 mg/m3
Intraperitoneal-Rat LD50: 220 mg/kg
Intravenous-Rat LD50: 340 mg/kg
Inhalation-Mouse LC50: 700 ppm/7H
Subcutaneous-Mouse LDLo: 500 mg/kg
Oral-Rabbit, adult LD50: 300 mg/kg
Skin-Guinea Pig, adult LD50: 230 mg/kg

The following data are available for Dimethyl ether:
Inhalation-Rat LC50: 308 g/m3
Inhalation-Mouse LC50: 386,000 ppm/30M
Inhalation-Rat TCLo: 2 pph/6H/30W-I

SUSPECTED CANCER AGENT: The following table summarizes the carcinogenicity listing for the components of this product. “NO” indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>IARC</th>
<th>NTP</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>PROP 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide resin</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dimethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Curing agent</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>3</td>
<td>NO</td>
<td>Ca</td>
<td>NO</td>
<td>A4</td>
<td>NO</td>
</tr>
</tbody>
</table>

IRRITANCY OF PRODUCT: This product can be irritating to contaminated tissue. Prolonged exposure can lead to tissue damage.

SENSITIZATION TO THE PRODUCT: Polyamide resin, a component of this product, is a skin and respiratory sensitizer.

TOXICOLOGICAL SYNERGISTIC PRODUCTS: None.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

- Mutagenicity: This product is not expected to produce mutagenic effects in humans when used as instructed.
- Embryotoxicity: This product is not expected to produce embryotoxic effects in humans when used as instructed.
- Teratogenicity: This product is not reported to cause teratogenic effects in humans when used as instructed.
- Reproductive Toxicity: This product is not reported to cause reproductive effects in humans when used as instructed.

A mutagen is a chemical that causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical that causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical that causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance that interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURES INDICES (BEIs): There currently is no BEI established for any component of this product.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: There is no environmental data for any component of this product at this time.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: This product can be harmful to terrestrial plant and animal life if large volumes of it are released into the environment. Refer to Section 11, “Toxicological Information”, for specific animal data.

EFFECT OF CHEMICAL ON AQUATIC LIFE: This product can be harmful to animal life if large volumes of it are released into an aquatic environment. The following aquatic toxicity data is available for components of this product.

The following data are available for 1-Methoxy-2 propanol:
Rainbow trout: LC50 = 19202 mg/L (96 hr)
Fathead minnow: LC50 = 15886 mg/L (96 hr)
Bluegill/sunfish: LC50 = 21742 mg/L (96 hr)
Flea: EC50 = 10457 mg/L (96 hr)

The following data are available for 2-Butoxyethanol:
Goldfish: LC50: 1650 mg/L (24 Hr)
Bluegill/Sunfish: LC50: 1490 mg/L (96 Hr)
13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Consumer Waste: Dispose of according to pertinent state and local household waste and requirements. Industrial Use: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada.

EPA WASTE NUMBER: Wastes consisting only of this product are RCRA code D001; however, the specific RCRA codes depend on the exact nature of the discarded material.

14. TRANSPORTATION INFORMATION


PROPER SHIPPING NAME: Aerosols

HAZARD CLASS NUMBER and DESCRIPTION: 2.1, (Flammable)

UN IDENTIFICATION NUMBER: UN1950

DOT LABEL(S) REQUIRED: Flammable Gas

PACKAGING GROUP: Not applicable.

NORTH AMERICAN RESPONSE GUIDEBOOK NUMBER (2000): 126

MARINE POLLUTANT: No component is designated as a DOT Marine Pollutant.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: The above-listed DOT basic description applies to this product under the regulations of Transport Canada.

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

EPA REPORTING REQUIREMENTS: The following reporting requirements are applicable to components of this product:

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>SECTION 302 (40 CFR 355, Appendix A)</th>
<th>SECTION 304 (40 CFR Table 302.4)</th>
<th>SECTION 313 (40 CFR 372.65)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide resin</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dimethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Curing agent</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

U.S. SARA SECTION 311/312 FOR PRODUCT: Acute health effects; chronic health effects; flammable.

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER U.S. FEDERAL REGULATIONS: Not applicable.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No component of this material is found on either the Proposition 65 Carcinogen List or the Adverse Reproductive Effects List.

ANSI LABELING (Z129.1): DANGER! FLAMMABLE. CONTENTS UNDER PRESSURE. CONTENTS HARMFUL. MAY IRRITATE SKIN OR EYES. FUMES OR VAPORS MAY CATCH FIRE. CONTAINER MAY EXPLODE IF HEATED.

ANSI LABEL PRECAUTIONS: Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing fumes, dusts, vapors or mist. Do not smoke. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120° F. Wear appropriate protective equipment. Use only in a well-ventilated area. Wash thoroughly after use. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Follow mixing instructions exactly.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.

CANADIAN WHMIS SYMBOLS: B3 - Flammable and combustible material - Combustible liquid

D1A - Poisonous and infectious material - Immediate and serious effect - very toxic

A - Compressed Gas

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): MAGIC RENEW, CLEAR, PART B
PRODUCT CODES: RNWTT (PART B)
PRODUCT USE: Refinishing paint

2. COMPOSITION and INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>% w/w</th>
<th>EXPOSURE LIMITS IN AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/m³</td>
</tr>
<tr>
<td>Epichlorohydrin/Bisphenol A solids</td>
<td>25036-25-3</td>
<td>30 – 70</td>
<td>NE</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>107-98-2</td>
<td>10 – 30</td>
<td>369</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>10 – 30</td>
<td>97 (skin)</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>34590-94-8</td>
<td>1 - 5</td>
<td>606 (skin)</td>
</tr>
</tbody>
</table>

NE = Not Established. See Section 16 for Definitions of Terms Used.

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL DESCRIPTION: This product is a white liquid with a hydrocarbon odor. This product is not an aerosol, but is Part B of a kit which includes an aerosol. When in use, this product becomes pressurized.

HEALTH HAZARD: This product can cause irritation to the eyes or skin. This product is harmful if swallowed, inhaled, or absorbed through the skin. If vapors, mists or particulates of this product are inhaled, irritation of the nose or throat could occur.

FIRE HAZARD: This product is extremely flammable. Both the liquid and vapor can ignite and burn readily at room temperature. Vapor can cause flash fire.

REACTIVITY HAZARD: This product is stable under ordinary conditions of use and storage.

ENVIRONMENTAL HAZARD: This product does not normally present a significant hazard to aquatic or terrestrial life in consumer quantities.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:
The most significant route of occupational overexposure is contact with skin and eyes. The symptoms of overexposure to this product are as follows:

INHALATION: Vapors, mists, sprays, or dusts of this product can cause irritation to the respiratory tract. High concentrations of 1-Methoxy-2-propanol, a component of this product, can cause central nervous system depression characterized by headache, nausea, dizziness, confusion, unconsciousness, coma, and death. Overexposure to this product can cause liver, kidney and blood disorders.

CONTACT WITH SKIN or EYES: Contact can cause severe eye or skin irritation. Prolonged eye exposure may include redness, pain, and tearing. If this product contaminates the eyes, irreversible eye injury can occur. Skin contact can result in redness, pain, ulceration and scarring.

SKIN ABSORPTION: 2-Butoxyethanol and 1-Methoxy-2-propanol, components of this product, can potentially be absorbed through the skin.

INGESTION: If this product is swallowed, severe irritation or severe corrosive burns to the mouth, throat, and other
tissues of the gastro-intestinal system can occur. Ingestion of this product can cause liver, kidney and blood disorders as well as central nervous system effects. Ingestion of large amounts can cause irritation, pain, vomiting, and diarrhea. If vomiting results in aspiration, chemical pneumonia could follow.

INJECTION: Accidental injection of this product can cause burning, reddening, and swelling in addition to the wound. Symptoms of such exposure can include those described under "Inhalation", "Contact with Skin or Eyes," and "Ingestion".

Hazardous Materials Identification System (HMIS)

<table>
<thead>
<tr>
<th>Health</th>
<th>2*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>2</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Protective Equipment</td>
<td>C</td>
</tr>
</tbody>
</table>

See Section 16 for Definition of Ratings

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: Depending on the duration of contact, overexposures can irritate the eyes, skin, mucous membranes, and other exposed tissue. Inhalation exposure can result in central nervous system depression, dizziness, fatigue, vomiting, and headaches.

CHRONIC: Long-term skin or eye contact can result in dermatitis or eye irritation. Over exposure could cause adverse effects to liver, kidney and central nervous system.

TARGET ORGANS: Acute: Skin, eyes, lungs, central nervous system. Chronic: Skin, eyes, liver, kidneys, blood and blood-forming organs.

4. FIRST-AID MEASURES

Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

SKIN EXPOSURE: If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention if any adverse exposure symptoms develop.

EYE EXPOSURE: If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

INHALATION: If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, respiratory or lymphoid system function can be more susceptible to health effects associated with overexposures to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 94°F (34°C) (1-Methoxy-2-propanol)

AUTOIGNITION TEMPERATURE: 547°F (286°C) (1-Methoxy-2-propanol)

FLAMMABLE LIMITS (in air by volume, %):
Lower: 1.7 %
Upper: 11.5 %

FIRE EXTINGUISHING MATERIALS: Use extinguishing material suitable to the surrounding fire.

Water Spray: OK.
Carbon Dioxide: OK
Foam: OK
Dry Chemical: OK
Halon: OK
Other: Any "ABC" Class.

See Section 16 for definitions of ratings
UNUSUAL FIRE AND EXPLOSION HAZARDS: When involved in a fire, this material can decompose generating dusts, irritating fumes and toxic gases (e.g., Carbon monoxide and Carbon dioxide).

- Explosion Sensitivity to Static Discharge: Not sensitive under normal conditions.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area and protect people. If the product is dried, and dusts can be generated during clean-up, dampen material prior to clean-up to avoid airborne particulates.

RESPONSE TO INCIDENTAL RELEASES: Small scale releases, such as 1 container of this product, can generally be handled by personnel who have received basic chemical safety training. Respond to incidental chemical releases by wearing gloves, goggles, and appropriate body protection and by following the instructions for use presented above.

RESPONSE TO NON-INCIDENTAL RELEASES: Respond to non-incidental chemical releases of this product, such as the simultaneous puncturing of several containers, by clearing the impacted area and contacting appropriate emergency personnel.

Clean up should only be done by qualified personnel. Responders should wear the level of protection appropriate to the type of chemical released, the volume of the material spilled, and the location where the incident has occurred. Minimum Personal Protective Equipment should be Level C: triple-gloves, chemical resistant apron, boots, and splash goggles and an Air-Purifying respirator with high-efficiency particulate filter.

RESPONSE EQUIPMENT AND PROCEDURES: Wipe-away spilled paste with damp poly pads or other suitable absorbent materials, or scrape carefully with plastic tools. Decontaminate the area thoroughly. Place all spill residues in a suitable container and seal. Dispose of in accordance with applicable U.S. Federal, State, or local procedures or appropriate standards of Canada (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after using this product. Do not eat or drink while using this material. Avoid generating dusts, mists or sprays of this product. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to use it safely. Open containers carefully on a stable surface. Empty containers can contain residual material; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Keep container tightly closed when not in use. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Control possible sources of ignition.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all rinsates and dispose of according to applicable U.S. Federal, State, or local procedures or appropriate Canadian standards.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control dusts, mists, fumes or vapors. Maintain airborne contaminate concentrations below guidelines listed in Section 2 (Composition and Information on Ingredients). Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres use of a full-face-piece pressure/demand SCBA or a full face-piece, supplied air respirator with auxiliary self-contained air supply is required under OSHA’s Respiratory Protection Standard (29 CFR 1910.134).

EYE PROTECTION: For consumer use, wearing eye protection (such as splash goggles) is advisable. However, for specific industrial applications, enhanced eye protection can be necessary. Use approved safety goggles or safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or appropriate
Canadian standards.

HAND PROTECTION: For consumer use, wearing protective gloves is recommended. For specific industrial applications, wear chemical impervious gloves (e.g., Neoprene or Nitrile). If necessary, refer to U.S. OSHA 29 CFR 1910.138 or the appropriate standards of Canada.

BODY PROTECTION: For consumer use, no specific body protection is normally needed. For specific industrial applications, body protection is not normally needed. Use body protection appropriate for task (e.g., Tyvek suit, rubber apron). If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects can pierce the soles of the feet or where employee’s feet can be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

HMIS PERSONAL PROTECTIVE EQUIPMENT RATING: Industrial Use situations: C; Safety glasses, gloves and body protection.

9. PHYSICAL and CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELATIVE VAPOR DENSITY (air = 1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.03</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Negligible</td>
</tr>
<tr>
<td>VAPOR PRESSURE, mm Hg@20°C</td>
<td>Not available</td>
</tr>
<tr>
<td>ODOR THRESHOLD</td>
<td>Not available</td>
</tr>
<tr>
<td>V.O.C. mixed</td>
<td>Less than 65%</td>
</tr>
<tr>
<td>M.I.R. mixed</td>
<td>Less than 1.4</td>
</tr>
<tr>
<td>APPEARANCE, ODOR AND COLOR</td>
<td>This product is a white liquid with a hydrocarbon odor.</td>
</tr>
<tr>
<td>HOW TO DETECT THIS SUBSTANCE (warning properties):</td>
<td>The appearance and odor of this product can act as warning properties in the event of an accidental release.</td>
</tr>
</tbody>
</table>

10. STABILITY and REACTIVITY

STABILITY: Stable under normal circumstances of use and handling.

DECOMPOSITION PRODUCTS: Thermal decomposition of this product can generate dusts, irritating fumes, and toxic gases (e.g., Carbon monoxide and Carbon dioxide).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: This product is not compatible with strong bases, strong acids, and powerful oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid contact with incompatible chemicals.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: There are currently no toxicity data available for this product; the following toxicology information is available for components greater than 1% in concentration.

The following data are available for Epichlorohydrin/Bisphenol A solids:

- Oral-Rat, LD₅₀: 30000 mg/kg (EPON 1007; molecular weight 2900)
- Oral-Mouse, LD₅₀: 20000 mg/kg (EPON 1007)
- Dermal- Rabbit, LD₅₀: >23500 mg/kg (cited as 20mL/kg)

The following data are available for Dipropylene glycol monomethyl ether:

- Eye effects-Human 8 mg Mild irritation effects
- Skin-Rabbit, adult 500 mg open Mild irritation effects
- Eye effects-Rabbit, adult 238 mg Mild irritation effects
- Oral-Rat LD₅₀: 5660 mg/kg
- Oral-Dog, adult LD₅₀: 7500 mg/kg
- Skin-Rat LD₅₀: 9500 mg/kg

SUSPECTED CANCER AGENT: The following table summarizes the carcinogenicity listing for the components of this product. “NO” indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.
IRRITANCY OF PRODUCT: This product can be irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: The components of this product are reported to be skin and respiratory sensitizers.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: When used as directed, this product is not expected to produce mutagenic effects in humans.

Embryotoxicity: When used as directed, this product is not expected to produce embryotoxic effects in humans.

Teratogenicity: When used as directed, this product is not expected to produce teratogenic effects in humans.

Reproductive Toxicity: When used as directed, this product is not expected to produce reproductive toxicity in humans.

A mutagen is a chemical that causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical that causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical that causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance that interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURES INDICES (BEIs): There currently is no BEI established for any component of this product.

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: There is no environmental data for any component of this product at this time.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: This product can be harmful to terrestrial plant and animal life if large volumes of it are released into the environment. Refer to Section 11, “Toxicological Information”, for specific animal data.

EFFECT OF CHEMICAL ON AQUATIC LIFE: This product can be harmful to animal life if large volumes of it are released into an aquatic environment. The following aquatic toxicity data is available for components of this product:

The following data are available for 1-Methoxy-2-propanol:
Rainbow trout: LC₅₀ = 19202 mg/L (96 hr)
Fathead minnow: LC₅₀ = 15886 mg/L (96 hr)
Bluegill/sunfish: LC₅₀ = 21742 mg/L (96 hr)
Flea: EC₅₀ = 10457 mg/L (96 hr)

The following data are available for 2-Butoxyethanol:
Goldfish: LC₅₀: 1650 mg/L (24 Hr)
Bluegill/Sunfish: LC₅₀: 1490 mg/L (96 Hr)
Tidewater silversides: LC₅₀: 1250 mg/L (96 Hr)

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Consumer Waste: Dispose of according to pertinent state and local household waste and requirements. Industrial Use: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada.

EPA WASTE NUMBER: Wastes consisting only of this product are RCRA code D001; however, the specific RCRA codes depend on the exact nature of the discarded material.

14. TRANSPORTATION INFORMATION

Refer to Part A for kit transportation.

15. REGULATORY INFORMATION
ADDITIONAL U.S. REGULATIONS:

**EPA REPORTING REQUIREMENTS:** The following reporting requirements are applicable to components of this product:

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>SECTION 302 (40 CFR 355, Appendix A)</th>
<th>SECTION 304 (40 CFR Table 302.4)</th>
<th>SECTION 313 (40 CFR 372.65)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Epichlorohydrin/Bisphenol A</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

**U.S. SARA SECTION 311/312 FOR PRODUCT:** Acute health effects; chronic health effects; flammable.

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory.

**OTHER U.S. FEDERAL REGULATIONS:** Not applicable.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):**

"WARNING: This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm."

**ANSI LABELING (Z129.1):**

DANGER! FLAMMABLE. CONTENTS HARMFUL. MAY IRRITATE SKIN OR EYES. FUMES OR VAPORS MAY CATCH FIRE. DURING USE, CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

**ANSI LABEL PRECAUTIONS:**

Do not swallow. Do not get in eyes. Avoid breathing fumes, dusts, vapors or mist. Do not get on skin or clothing. Do not smoke. Wear appropriate protective equipment. Use only in a well-ventilated area. Wash thoroughly after use. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Contents under pressure after mixing. After mixing, components chemically react. Follow mixing instructions exactly.

**ENVIRONMENTAL HAZARDS:** Do not discharge effluent containing this product into streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**ADDITIONAL CANADIAN REGULATIONS:**

**CANADIAN DSL/NDSL INVENTORY STATUS:** The components of this product are listed on the DSL Inventory.

**CANADIAN WHMIS SYMBOLS:**

- B3 - Flammable and combustible material - Combustible liquid
- D2A - Poisonous and infectious material - Immediate and serious effect - toxic

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

This product is sold to consumers for household use in containers of relatively small volume (i.e. 5 gallon or less in size). This MSDS has been developed to address safety concerns affecting those individuals working in warehouses and other places where large numbers of these containers are stored, as well as those affecting potential users of this product in industrial /occupational settings. All pertinent health, safety and environmental information have been presented in this document, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.

**DEFINITIONS OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. Some of these, which are commonly used, include the following:

**CAS #:** This is the Chemical Abstract Service Number that uniquely identifies each compound.

**ACGIH -** American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

**TLV -** Threshold Limit Value - an airborne concentration of a substance that represents conditions under which it is generally believed that nearly all workers can be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level (C). Skin
OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register; 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, "Vacated 1989 PEL," is placed next to the PEL that was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The DFG - MAK is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (OSHA). NIOSH issues exposure guidelines called Recommended Exposure Levels (RELs). When no exposure guidelines are established, an entry of NE is made for reference.

HAZARD RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:

Health Hazard: 0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime overexposure can cause permanent injury and can be fatal); 4 (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability Hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0 (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System". FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (NFPA). Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: LD₅₀ - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; LC₅₀ - Lethal Concentration (gases) which kills 50% of the exposed animals; ppm concentration expressed in parts of material per million parts of air or water; mg/m³ concentration expressed in weight of substance per volume of air; mg/kg quantity of material, by weight, administered to a test subject, based on their body weight in kg. Other measures of toxicity include TDLo, the lowest dose to cause a symptom and TCLo the lowest concentration to cause a symptom; TDo, LDo, LCo, TCo, TCLo, and LCo, the lowest dose (or concentration) to cause lethal or toxic effects. BEI - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV. Ecological Information: EC is the effect concentration in water.

Data from several sources are used to evaluate the cancer-causing potential of the material. The sources and ratings are: IARC - the International Agency for Research on Cancer; 1 = Carcinogenic to humans, 2A, 2B = Probably carcinogenic to humans, 3 = Unclassifiable as to carcinogenicity in humans, and 4 = Probably not carcinogenic to humans. NTP - the National Toxicology Program; K =Known to be a human carcinogen, and R =Reasonably anticipated to be a human carcinogen. RTECS - the Registry of Toxic Effects of Chemical Substances. OSHA - Occupational Safety and Health Administration and CAL/OSHA - California's subunit of the Occupational Safety and Health Administration; Ca = Carcinogen defined with no further categorization. ACGIH - American Conference of Governmental Industrial Hygienists; A1 = Confirmed human carcinogen, A2 = Suspected human carcinogen, A3 = Confirmed animal carcinogen with unknown relevance to humans, A4 = Not classifiable as a human carcinogen, and A5 = Not suspected as a human carcinogen. NIOSH - U.S. National Institute for Occupational Safety and Health; Ca = Potential occupational carcinogen, with no further categorization. EPA - U.S. Environmental Protection; A = Human carcinogen, B = Probable human carcinogen, C = Possible human carcinogen, D = Not classifiable as to human carcinogenicity, E = Evidence of Non-carcinogenicity for humans, K = Known human carcinogen, L = Likely to produce cancer in humans, CBD = Cannot be determined, NL = Not likely to be carcinogenic in humans, and I = Data are inadequate for an assessment of human carcinogenic potential.
REGULATORY INFORMATION:
This section explains the impact of various laws and regulations on the material. EPA is the U.S. Environmental Protection Agency. WHMIS is the Canadian Workplace Hazardous Materials Information System. DOT and TC are the U.S. Department of Transportation and the Transport Canada, respectively. Superfund Amendments and Reauthorization Act (SARA); the Canadian Domestic/Non-Domestic Substances List (DSL/NDSL); the U.S. Toxic Substance Control Act (TSCA); Marine Pollutant status according to the DOT; the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund); and various state regulations. This section also includes information on the precautionary warnings that appear on a material’s industrial package label.
MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Magic Renew Tub & Tile Refinishing Kit
Product Code: 3020
Supplier: MAGIC AMERICAN PRODUCTS
755 TRI STATE PKWY
GURNEE, IL 60031
1-800-328-9248
Emergency Contact:
24-Hour Number: 1-800-535-5053
International: 1-352-323-3500
Date: 11/6/2006

***** THIS PRODUCT IS A MULTI-COMPONENT KIT. BOTH PART A AND PART B MSDSs FOLLOW *****

TRADE NAME (AS LABELED):
MAGIC RENEW, WHITE, PART A
PRODUCT CODES:
RNWTT (PART A)
PRODUCT USE:
Refinishing paint

2. COMPOSITION and INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>% w/w</th>
<th>EXPOSURE LIMITS IN AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/m³</td>
</tr>
<tr>
<td>Dimethyl ether (propellant)</td>
<td>115-10-6</td>
<td>40 - 70</td>
<td>NE</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>10 - 30</td>
<td>10</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>107-98-2</td>
<td>5 - 10</td>
<td>369</td>
</tr>
<tr>
<td>Polyamide resin</td>
<td>68410-23-1</td>
<td>5 - 10</td>
<td>NE</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>7 - 13</td>
<td>9 (skin)</td>
</tr>
<tr>
<td>Dipropylene glycol</td>
<td>34590-94-8</td>
<td>3 - 7</td>
<td>606</td>
</tr>
<tr>
<td>monomethyl ether</td>
<td></td>
<td></td>
<td>NA</td>
</tr>
</tbody>
</table>

NE = Not Established; * = respirable dust; ** = total dust. See Section 16 for Definitions of Terms Used.

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format.

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL DESCRIPTION: This product is a white aerosol with a hydrocarbon odor.

HEALTH HAZARD: This product can cause irritation to the eyes or skin. This product is harmful if swallowed, inhaled, or absorbed through the skin. If vapors, mists or particulates of this product are inhaled, irritation of the nose or throat could occur. Polyamide resin, a component of this product, is a skin and respiratory sensitizer. Dimethyl ether is an anesthetic, overexposure can cause loss of consciousness.

FIRE HAZARD: This product is extremely flammable. Vapor can cause flash fire.

REACTIVITY HAZARD: This product is stable under ordinary conditions of use and storage.

ENVIRONMENTAL HAZARD: This product does not normally present a significant hazard to aquatic or terrestrial life in consumer quantities.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: The most significant routes of occupational overexposure are inhalation and contact with skin and eyes. The symptoms of overexposure to this product are as follows:
INHALATION: Vapors, mists, sprays, or dusts of this product can cause irritation to the respiratory tract. High concentrations of 1-Methoxy-2-propanol, a component of this product, can cause central nervous system depression characterized by headache, nausea, dizziness, confusion, unconsciousness, coma, and death. Overexposure to this product can cause liver, kidney and blood disorders. Polyamide resin, a component of this product, is a respiratory sensitizer. Repeated exposure to Polyamide resin vapors can cause an allergic respiratory reaction similar to asthma.

CONTACT WITH SKIN or EYES: Contact can cause severe eye irritation. Prolonged eye exposure may include redness, pain, and tearing. If this product contaminates the eyes, irreversible eye injury can occur. Skin contact can result in redness, pain, ulceration and scarring. Polyamide resin, a component of this product, is a skin sensitizer. Repeated exposure to Polyamide resin liquid can cause an allergic skin reaction. 1- Methoxy-2-propanol can cause excessive tearing.

SKIN ABSORPTION: Polyamide resin and 1-Methoxy-2-propanol, components of this product, can potentially be absorbed through the skin.

INGESTION: If this product is swallowed, severe irritation or severe corrosive burns to the mouth, throat, and other tissues of the gastro-intestinal system can occur. Ingestion of this product can cause liver, kidney and blood disorders, or central nervous system effects. Ingestion of large amounts can cause irritation, pain, vomiting, and diarrhea. If vomiting results in aspiration, chemical pneumonia could follow.

INJECTION: Accidental injection of this product can cause burning, reddening, and swelling in addition to the wound. Symptoms of such exposure can include those described under “Inhalation”, “Contact with Skin or Eyes,” and “Ingestion”.

Hazardous Materials Identification System (HMIS)

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>4</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>1</td>
</tr>
<tr>
<td>Protective Equipment</td>
<td>C</td>
</tr>
</tbody>
</table>

See Section 16 for Definition of Ratings

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.

ACUTE: Depending on the duration of contact, overexposures can irritate the eyes, skin, mucous membranes, and other exposed tissue. Inhalation overexposure can result in central nervous system depression, dizziness, fatigue, vomiting, and headaches.

CHRONIC: Long-term skin or eye contact can result in dermatitis or eye irritation. Over exposure could cause adverse effects to liver, kidney and central nervous system.

TARGET ORGANS: Acute: Skin, eyes, lungs, central nervous system. Chronic: Skin, eyes, liver, kidneys, blood and blood-forming organs.

4. FIRST-AID MEASURES

Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

SKIN EXPOSURE: If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention if any adverse exposure symptoms develop.

EYE EXPOSURE: If this product enters the eyes, open victim’s eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

INHALATION: If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, respiratory or lymphoid system function can be more susceptible to health effects associated with overexposures to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: -42°F (-41.1°C) (Setaflash closed cup) (Dimethyl ether)

AUTOIGNITION TEMPERATURE: 662°F (350°C) (Dimethyl ether)

FLAMMABLE LIMITS (in air by volume, %): Lower: 3.4 %(Dimethyl ether) Upper: 27 % (Dimethyl ether)
FIRE EXTINGUISHING MATERIALS: Use extinguishing material suitable to the surrounding fire.

<table>
<thead>
<tr>
<th>Material</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Spray</td>
<td>OK</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>OK</td>
</tr>
<tr>
<td>Foam</td>
<td>OK</td>
</tr>
<tr>
<td>Dry Chemical</td>
<td>OK</td>
</tr>
<tr>
<td>Halon</td>
<td>OK</td>
</tr>
<tr>
<td>Other</td>
<td>Any “ABC” Class</td>
</tr>
</tbody>
</table>

UNUSUAL FIRE AND EXPLOSION HAZARDS: When involved in a fire, this material can decompose generating dusts, irritating fumes and toxic gases (e.g., Carbon monoxide, Carbon dioxide, and oxides of Nitrogen).

Explosion Sensitivity to Mechanical Impact: Not sensitive under normal conditions.
Explosion Sensitivity to Static Discharge: Not sensitive under normal conditions.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Trained personnel using pre-planned procedures should respond to uncontrolled releases. Proper protective equipment should be used. In case of a spill, clear the affected area and protect people.

RESPONSE TO INCIDENTAL RELEASES: Personnel who have received basic chemical safety training can generally handle small-scale releases, such as 1 container of this product. Respond to incidental chemical releases by wearing gloves, goggles, and appropriate body protection.

RESPONSE TO NON-INCEDENTAL RELEASES: Respond to non-incidental chemical releases of this product, such as the simultaneous puncturing of several containers, by clearing the impacted area and contacting appropriate emergency personnel. Clean up should only be done by qualified personnel. Responders should wear the level of protection appropriate to the type of chemical released, the volume of the material spilled, and the location where the incident has occurred. Minimum Personal Protective Equipment should be Level B: triple-gloves, chemical resistant apron, boots, and splash goggles and Self-Contained Breathing Apparatus. Level B should also be used when oxygen levels are below 19.5% or are unknown.

RESPONSE EQUIPMENT AND PROCEDURES: Absorb spilled liquid with poly pads or other suitable absorbent materials. Decontaminate the area thoroughly. Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Place all spill residues in a suitable container and seal. Dispose of in accordance with applicable U.S. Federal, State, or local procedures or appropriate standards of Canada (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after using this product. Do not eat or drink while using this material. Avoid generating dusts, mists or sprays of this product. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to use it safely.
Open containers carefully on a stable surface. Empty containers can contain residual material; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Keep container tightly closed when not in use. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Control possible sources of ignition.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all rinsates and dispose of according to applicable U.S. Federal, State, or local procedures or appropriate Canadian standards.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION: None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control dusts, mists, fumes or vapors. Maintain airborne contaminant concentrations below guidelines listed in Section 2 (Composition and Information on Ingredients). Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres use of a full-face-piece pressure/demand SCBA or a full face-piece, supplied air

**EYE PROTECTION:** For consumer use, wearing eye protection (such as splash goggles) is advisable. However, for specific industrial applications, enhanced eye protection can be necessary. Use approved safety goggles or safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or appropriate Canadian standards.

**HAND PROTECTION:** For consumer use, wearing protective gloves is recommended. For specific industrial applications, wear chemical impervious gloves (e.g., Neoprene or Nitrile). If necessary, refer to U.S. OSHA 29 CFR 1910.138 or the appropriate standards of Canada.

**BODY PROTECTION:** For consumer use, no specific body protection is normally needed. For specific industrial applications, body protection is not normally needed. Use body protection appropriate for task (e.g., Tyvek suit, rubber apron). If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects can pierce the soles of the feet or where employee’s feet can be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

**HMIS PERSONAL PROTECTIVE EQUIPMENT RATING:** Industrial Use situations: C; Safety glasses, gloves and body protection.

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### 9. PHYSICAL and CHEMICAL PROPERTIES

**RELATIVE VAPOR DENSITY (air = 1):** > 1
**SPECIFIC GRAVITY:** 1.38
**SOLUBILITY IN WATER:** Negligible.
**VAPOR PRESSURE:** 62.3 psig (Dimethyl ether)
**ODOR THRESHOLD:** Not available.

**EVAPORATION RATE (BuAc =1):** < 1
**MELTING/FREEZING POINT:** Not available.
**BOILING POINT:** Not available.
**pH:** Not available.

**COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT):** Not available.

**V.O.C. mixed:** Less than 65 %.
**M.I.R. mixed:** Less than 1.4.

**APPEARANCE, ODOR AND COLOR:** This product is a white aerosol with a hydrocarbon odor.

**HOW TO DETECT THIS SUBSTANCE (warning properties):** The appearance and odor of this product can act as warning properties in the event of an accidental release.

---

### 10. STABILITY and REACTIVITY

**STABILITY:** Stable under normal circumstances of use and handling.

**DECOMPOSITION PRODUCTS:** Thermal decomposition of this product can generate dusts, irritating fumes, and toxic gases (e.g., Carbon monoxide, Carbon dioxide, and oxides of Nitrogen).

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** This product is not compatible with strong bases, strong acids, and powerful oxidizers.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid contact with incompatible chemicals. Avoid using product in a confined space.

---

### 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** There are currently no toxicity data available for this product; the following toxicology information is available for components greater than 1% in concentration.

**The following data are available for Polyamide resin:**
- Rat - oral, LD₅₀: 4340 mg/kg
- Rabbit - skin absorption, LD₅₀: 800 mg/kg

**The following data are available for 1-Methoxy-2-propanol:**
- Skin-Rabbit, adult 500 mg open Mild irritation effects
- Eye effects-Rabbit, adult 230 mg Mild irritation effects
- Inhalation-Rat TCL₀:3000 ppm/6H (6-15D preg): Teratogenic effects
- Inhalation-Human TCL₀:3000 ppm: NOSE, Central nervous system effects, Gastrointestinal tract effects
- Oral-Rat LD₅₀: 5660 mg/kg
- Inhalation-Rat LCL₀: 7000 ppm/4H
- Intraperitoneal-Rat LD₅₀: 3720 mg/kg
- Subcutaneous-Rat LD₅₀: 7800 mg/kg
- Intravenous-Rat LD₅₀: 4200 mg/kg
- Oral-Mouse LD₅₀: 11,700 mg/kg
- Intravenous-Mouse LD₅₀: 5300 mg/kg

**The following data are available for 2-Butoxyethanol:**
- Skin-Rabbit, adult 500 mg open Mild irritation effects
- Inhalation-Rat TCL₀: 200 ppm/6H (female 6-15D post): Reproductive effects
- Inhalation-Rabbit, adult TCL₀: 100 ppm/6H (female 6-18D post): Teratogenic effects
- Oral-Woman TDLo: 600 mg/kg
Inhalation-Human TCLo: 195 ppm/8H: Gastrointestinal tract effects
Inhalation-Human TCLo: 100 ppm: NOSE, Eye effects, Central nervous system effects
Oral-Rat LDso: 470 mg/kg
Inhalation-Rat LC50: 2900 mg/m3
Intraperitoneal-Rat LD50: 220 mg/kg
Intravenous-Rat LD5o: 340 mg/kg
Inhalation-Mouse LC50: 700 ppm/7H
Subcutaneous-Mouse LDLo: 500 mg/kg
Oral-Rabbit, adult LD50: 300 mg/kg
Skin-Guinea Pig, adult LD50: 230 mg/kg

The following data are available for Dimethyl ether:
Inhalation-Rat LC50: 308 g/m3
Inhalation-Mouse LC50: 386,000 ppm/30M
Inhalation-Rat TCLo: 2 pph/6H/30W-1

Suspected Cancer Agent: The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>IARC</th>
<th>NTP</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>PROP 65</th>
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<tbody>
<tr>
<td>Polyamide resin</td>
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<td>NO</td>
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<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
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<td>NO</td>
<td>NO</td>
<td>NO</td>
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</tr>
<tr>
<td>Dimethyl ether</td>
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<td>Curing agent</td>
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<td>2-Butoxyethanol</td>
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<tr>
<td>Dipropylene glycol monomethyl ether</td>
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<td>NO</td>
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<td>NO</td>
</tr>
<tr>
<td>Titanium dioxide</td>
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<td>NO</td>
<td>Ca</td>
<td>NO</td>
<td>A4</td>
<td>NO</td>
</tr>
</tbody>
</table>

Irritancy of Product: This product can be irritating to contaminated tissue. Prolonged exposure can lead to tissue damage.

Sensitization to the Product: Polyamide resin, a component of this product, is a skin and respiratory sensitizer.

Toxicological Synergistic Products: None.

Reproductive Toxicity Information: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: This product is not expected to produce mutagenic effects in humans when used as instructed.
Embryotoxicity: This product is not expected to produce embryotoxic effects in humans when used as instructed.
Teratogenicity: This product is not reported to cause teratogenic effects in humans when used as instructed.
Reproductive Toxicity: This product is not reported to cause reproductive effects in humans when used as instructed.

A mutagen is a chemical that causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical that causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical that causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance that interferes in any way with the reproductive process.

Biological Exposures Indices (BEIs): There currently is no BEI established for any component of this product.

12. Ecological Information

All work practices must be aimed at eliminating environmental contamination.

Environmental Stability: There is no environmental data for any component of this product at this time.

Effect of Material on Plants or Animals: This product can be harmful to terrestrial plant and animal life if large volumes of it are released into the environment. Refer to Section 11, "Toxicological Information", for specific animal data.

Effect of Chemical on Aquatic Life: This product can be harmful to animal life if large volumes of it are released into an aquatic environment. The following aquatic toxicity data is available for components of this product.

The following data are available for 1-Methoxy-2-propanol:
Rainbow trout: LC50 = 19202 mg/L (96 hr)
Fathead minnow: LC50 = 15886 mg/L (96 hr)
Bluegill/sunfish: LC50 = 21742 mg/L (96 hr)
Flea: EC50 = 10457 mg/L (96 hr)

The following data are available for 2-Butoxyethanol:
Goldfish: LC50: 1650 mg/L (24 Hr)
Bluegill/Sunfish: LC50: 1490 mg/L (96 Hr)
13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Consumer Waste: Dispose of according to pertinent state and local household waste and requirements. Industrial Use: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada.

EPA WASTE NUMBER: Wastes consisting only of this product are RCRA code D001; however, the specific RCRA codes depend on the exact nature of the discarded material.

14. TRANSPORTATION INFORMATION


DOT: UN1950, AEROSOLS, 2.1, LIMITED QUANTITY
IMDG: UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, EMS: F-D, S-U
IATA: UN1950, AEROSOLS, FLAMMABLE, 2.1
NORTH AMERICAN RESPONSE GUIDEBOOK NUMBER (2000): 126
MARINE POLLUTANT: No component is designated as a DOT Marine Pollutant.
TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: The above-listed DOT basic description applies to this product under the regulations of Transport Canada.

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

EPA REPORTING REQUIREMENTS: The following reporting requirements are applicable to components of this product:

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>SECTION 302 (40 CFR 355, Appendix A)</th>
<th>SECTION 304 (40 CFR Table 302.4)</th>
<th>SECTION 313 (40 CFR 372.65)</th>
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</thead>
<tbody>
<tr>
<td>Polyamide resin</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dimethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Curing agent</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

U.S. SARA SECTION 311/312 FOR PRODUCT: Acute health effects; chronic health effects; flammable.

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER U.S. FEDERAL REGULATIONS: Not applicable.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): No component of this material is found on either the Proposition 65 Carcinogen List or the Adverse Reproductive Effects List.

ANSI LABELING (Z129.1): DANGER! FLAMMABLE. CONTENTS UNDER PRESSURE. CONTENTS HARMFUL. MAY IRRITATE SKIN OR EYES. FUMES OR VAPORS MAY CATCH FIRE. CONTAINER MAY EXPLODE IF HEATED.

ANSI LABEL PRECAUTIONS: Do not swallow. Do not get in eyes or on skin or clothing. Avoid breathing fumes, dusts, vapors or mist. Do not smoke. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120° F. Wear appropriate protective equipment. Use only in a well-ventilated area. Wash thoroughly after use. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Follow mixing instructions exactly.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.

CANADIAN WHMIS SYMBOLS: B3 - Flammable and combustible material - Combustible liquid

D1A - Poisonous and infectious material - Immediate and serious effect - very toxic

A - Compressed Gas

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): MAGIC RENEW, CLEAR, PART B
PRODUCT CODES: RNWTT (PART B)
PRODUCT USE: Refinishing paint

2. COMPOSITION and INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS #</th>
<th>% w/w</th>
<th>ACGIH-TLV TWA</th>
<th>ACGIH-TLV STEL</th>
<th>OSHA-PEL TWA</th>
<th>OSHA-PEL STEL</th>
<th>NIOSH-REL TWA</th>
<th>NIOSH-REL STEL</th>
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</thead>
<tbody>
<tr>
<td>Epichlorohydrin/</td>
<td>25036-25-3</td>
<td>30–70</td>
<td>mg/m³</td>
<td>mg/m³</td>
<td>mg/m³</td>
<td>mg/m³</td>
<td>mg/m³</td>
<td>mg/m³</td>
<td>ppm</td>
</tr>
<tr>
<td>Bisphenol A solids</td>
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<td>NE</td>
<td>NE</td>
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<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>107-98-2</td>
<td>10–30</td>
<td>369</td>
<td>553</td>
<td>NE</td>
<td>NE</td>
<td>360</td>
<td>540</td>
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</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>10–30</td>
<td>97 (skin)</td>
<td>NE</td>
<td>240 (skin)</td>
<td>NE</td>
<td>24 (skin)</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Dipropylene glycol</td>
<td>34590-94-8</td>
<td>1–5</td>
<td>606 (skin)</td>
<td>909 (skin)</td>
<td>600 (skin)</td>
<td>NE</td>
<td>600 (skin)</td>
<td>900</td>
<td>600</td>
</tr>
<tr>
<td>monomethyl ether</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NE = Not Established. See Section 16 for Definitions of Terms Used.

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format.
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL DESCRIPTION: This product is a white liquid with a hydrocarbon odor. This product is not an aerosol, but is Part B of a kit which includes an aerosol. When in use, this product becomes pressurized.

HEALTH HAZARD: This product can cause irritation to the eyes or skin. This product is harmful if swallowed, inhaled, or absorbed through the skin. If vapors, mists or particulates of this product are inhaled, irritation of the nose or throat could occur.

FIRE HAZARD: This product is extremely flammable. Both the liquid and vapor can ignite and burn readily at room temperature. Vapor can cause flash fire.

REACTIVITY HAZARD: This product is stable under ordinary conditions of use and storage.

ENVIRONMENTAL HAZARD: This product does not normally present a significant hazard to aquatic or terrestrial life in consumer quantities.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:
The most significant route of occupational overexposure is contact with skin and eyes. The symptoms of overexposure to this product are as follows:

INHALATION: Vapors, mists, sprays, or dusts of this product can cause irritation to the respiratory tract. High concentrations of 1-Methoxy-2-propanol, a component of this product, can cause central nervous system depression characterized by headache, nausea, dizziness, confusion, unconsciousness, coma, and death. Overexposure to this product can cause liver, kidney and blood disorders.

CONTACT WITH SKIN or EYES: Contact can cause severe eye or skin irritation. Prolonged eye exposure may include redness, pain, and tearing. If this product contaminates the eyes, irreversible eye injury can occur. Skin contact can result in redness, pain, ulceration and scarring.

SKIN ABSORPTION: 2-Butoxyethanol and 1-Methoxy-2-propanol, components of this product, can potentially be absorbed through the skin.

INGESTION: If this product is swallowed, severe irritation or severe corrosive burns to the mouth, throat, and other tissues of the gastro-intestinal system can occur. Ingestion of this product can cause liver, kidney and blood disorders as
well as central nervous system effects. Ingestion of large amounts can cause irritation, pain, vomiting, and diarrhea. If vomiting results in aspiration, chemical pneumonia could follow.

INJECTION: Accidental injection of this product can cause burning, reddening, and swelling in addition to the wound. Symptoms of such exposure can include those described under “Inhalation”, “Contact with Skin or Eyes,” and “Ingestion”.

**Hazardous Materials Identification System (HMIS)**

<table>
<thead>
<tr>
<th></th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2*</td>
</tr>
<tr>
<td>Flammability</td>
<td>2</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Protective Equipment</td>
<td>C</td>
</tr>
</tbody>
</table>

See Section 16 for Definition of Ratings

**HEALTH EFFECTS OR RISKS FROM EXPOSURE:** An Explanation in Lay Terms.

**ACUTE:** Depending on the duration of contact, overexposures can irritate the eyes, skin, mucous membranes, and other exposed tissue. Inhalation exposure can result in central nervous system depression, dizziness, fatigue, vomiting, and headaches.

**CHRONIC:** Long-term skin or eye contact can result in dermatitis or eye irritation. Over exposure could cause adverse effects to liver, kidney and central nervous system.

**TARGET ORGANS:** Acute: Skin, eyes, lungs, central nervous system. Chronic: Skin, eyes, liver, kidneys, blood and blood-forming organs.

**4. FIRST-AID MEASURES**

Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

**SKIN EXPOSURE:** If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention if any adverse exposure symptoms develop.

**EYE EXPOSURE:** If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

**INHALATION:** If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

**INGESTION:** If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, respiratory or lymphoid system function can be more susceptible to health effects associated with overexposures to this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:** 94°F (34°C) (1-Methoxy-2-propanol)

**AUTOIGNITION TEMPERATURE:** 547°F (286°C) (1-Methoxy-2-propanol)

**FLAMMABLE LIMITS (in air by volume, %):**
- Lower: 1.7%
- Upper: 11.5%

**FIRE EXTINGUISHING MATERIALS:** Use extinguishing material suitable to the surrounding fire.

<table>
<thead>
<tr>
<th>Material</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Spray</td>
<td>OK</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>OK</td>
</tr>
<tr>
<td>Foam</td>
<td>OK</td>
</tr>
<tr>
<td>Dry Chemical</td>
<td>OK</td>
</tr>
<tr>
<td>Halon</td>
<td>OK</td>
</tr>
<tr>
<td>Other</td>
<td>Any &quot;ABC&quot; Class.</td>
</tr>
</tbody>
</table>

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When involved in a fire, this
material can decompose generating dusts, irritating fumes and toxic gases (e.g., Carbon monoxide and Carbon dioxide).

**Explosion Sensitivity to Mechanical Impact:** Not sensitive under normal conditions.

**Explosion Sensitivity to Static Discharge:** Not sensitive under normal conditions.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area and protect people. If the product is dried, and dusts can be generated during clean-up, dampen material prior to clean-up to avoid airborne particulates.

**RESPONSE TO INCIDENTAL RELEASES:** Small scale releases, such as 1 container of this product, can generally be handled by personnel who have received basic chemical safety training. Respond to incidental chemical releases by wearing gloves, goggles, and appropriate body protection and by following the instructions for use presented above.

**RESPONSE TO NON-INCIDENTAL RELEASES:** Respond to non-incidental chemical releases of this product, such as the simultaneous puncturing of several containers, by clearing the impacted area and contacting appropriate emergency personnel.

Clean up should only be done by qualified personnel. Responders should wear the level of protection appropriate to the type of chemical released, the volume of the material spilled, and the location where the incident has occurred. Minimum Personal Protective Equipment should be Level C: triple-gloves, chemical resistant apron, boots, and splash goggles and an Air-Purifying respirator with high-efficiency particulate filter.

**RESPONSE EQUIPMENT AND PROCEDURES:** Wipe-away spilled paste with damp polypads or other suitable absorbent materials, or scrape carefully with plastic tools. Decontaminate the area thoroughly. Place all spill residues in a suitable container and seal. Dispose of in accordance with applicable U.S. Federal, State, or local procedures or appropriate standards of Canada (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after using this product. Do not eat or drink while using this material. Avoid generating dusts, mists or sprays of this product. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** All employees who handle this material should be trained to use it safely. Open containers carefully on a stable surface. Empty containers can contain residual material; therefore, empty containers should be handled with care. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Keep container tightly closed when not in use. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Control possible sources of ignition.

**PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:** Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all rinsates and dispose of according to applicable U.S. Federal, State, or local procedures or appropriate Canadian standards.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients). Ensure eyewash/safety shower stations are available near areas where this product is used.

**RESPIRATORY PROTECTION:** None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control dusts, mists, fumes or vapors. Maintain airborne contaminate concentrations below guidelines listed in Section 2 (Composition and Information on Ingredients). Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres use of a full-face-piece pressure/demand SCBA or a full face-piece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (29 CFR 1910.134).

**EYE PROTECTION:** For consumer use, wearing eye protection (such as splash goggles) is advisable. However, for specific industrial applications, enhanced eye protection can be necessary. Use approved safety goggles or safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or appropriate Canadian standards.
HAND PROTECTION: For consumer use, wearing protective gloves is recommended. For specific industrial applications, wear chemical impervious gloves (e.g., Neoprene or Nitrile). If necessary, refer to U.S. OSHA 29 CFR 1910.138 or the appropriate standards of Canada.

BODY PROTECTION: For consumer use, no specific body protection is normally needed. For specific industrial applications, body protection is not normally needed. Use body protection appropriate for task (e.g., Tyvek suit, rubber apron). If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects can pierce the soles of the feet or where employee’s feet can be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

HMIS PERSONAL PROTECTIVE EQUIPMENT RATING: Industrial Use situations: C; Safety glasses, gloves and body protection.

### 9. PHYSICAL and CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative vapor density (air = 1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.03</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Negligible</td>
</tr>
<tr>
<td>Vapor pressure, mm Hg @ 20°C</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Coefficient of oil/water distribution (partition coefficient)</td>
<td>Not available</td>
</tr>
<tr>
<td>V.O.C. mixed</td>
<td>Less than 65 %</td>
</tr>
<tr>
<td>M.I.R. mixed</td>
<td>Less than 1.4</td>
</tr>
<tr>
<td>Appearance, odor and color</td>
<td>This product is a white liquid with a hydrocarbon odor</td>
</tr>
<tr>
<td>HOW TO DETECT THIS SUBSTANCE (warning properties)</td>
<td>The appearance and odor of this product can act as warning properties in the event of an accidental release.</td>
</tr>
</tbody>
</table>

### 10. STABILITY and REACTIVITY

STABILITY: Stable under normal circumstances of use and handling.

DECOMPOSITION PRODUCTS: Thermal decomposition of this product can generate dusts, irritating fumes, and toxic gases (e.g., Carbon monoxide and Carbon dioxide).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: This product is not compatible with strong bases, strong acids, and powerful oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid contact with incompatible chemicals.

### 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: There are currently no toxicity data available for this product; the following toxicology information is available for components greater than 1% in concentration.

**The following data are available for Epichlorohydrin/Bisphenol A solids:**
- Oral-Rat, LD$_{50}$: 30000 mg/kg (EPON 1007; molecular weight 2900)
- Oral-Mouse, LD$_{50}$: 20000 mg/kg (EPON 1007)
- Dermal- Rabbit, LD$_{50}$: >23500 mg/kg (cited as 20mL/kg)

**The following data are available for Dipropylene glycol monomethyl ether:**
- Eye effects-Human 8 mg Mild irritation effects
- Skin-Rabbit, adult 500 mg open Mild irritation effects
- Eye effects-Rabbit, adult 238 mg Mild irritation effects
- Oral-Rat LD$_{50}$:5660 mg/kg
- Oral-Dog, adult LD$_{50}$:7500 mg/kg
- Skin-Rat LD$_{50}$:9500 mg/kg

**Suspected Cancer Agent:** The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>IARC</th>
<th>NTP</th>
<th>NIOSH</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>PROP 65</th>
</tr>
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</table>

Page 10 of 14
<table>
<thead>
<tr>
<th></th>
<th>NO</th>
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<tbody>
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<td><strong>2-Butoxyethanol</strong></td>
<td>NO</td>
<td>NO</td>
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<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td><strong>1-Methoxy-2-propanol</strong></td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Epichlorohydrin/Bisphenol A solids</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

**IRRITANCY OF PRODUCT:** This product can be irritating to contaminated tissue.

**SENSITIZATION TO THE PRODUCT:** The components of this product are reported to be skin and respiratory sensitizers.

**TOXICOLOGICAL SYNERGISTIC PRODUCTS:** None.

**REPRODUCTIVE TOXICITY INFORMATION:** Listed below is information concerning the effects of this product and its components on the human reproductive system.

- **Mutagenicity:** When used as directed, this product is not expected to produce mutagenic effects in humans.
- **Embryotoxicity:** When used as directed, this product is not expected to produce embryotoxic effects in humans.
- **Teratogenicity:** When used as directed, this product is not expected to produce teratogenic effects in humans.
- **Reproductive Toxicity:** When used as directed, this product is not expected to produce reproductive toxicity in humans.

A mutagen is a chemical that causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical that causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical that causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance that interferes in any way with the reproductive process.

**BIOLOGICAL EXPOSURES INDICES (BEIs):** There currently is no BEI established for any component of this product.

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12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**ENVIRONMENTAL STABILITY:** There is no environmental data for any component of this product at this time.

**EFFECT OF MATERIAL ON PLANTS or ANIMALS:** This product can be harmful to terrestrial plant and animal life if large volumes of it are released into the environment. Refer to Section 11, "Toxicological Information", for specific animal data.

**EFFECT OF CHEMICAL ON AQUATIC LIFE:** This product can be harmful to animal life if large volumes of it are released into an aquatic environment. The following aquatic toxicity data is available for components of this product:

*The following data are available for 1-Methoxy-2-propanol:*
- Rainbow trout: LC50 = 19202 mg/L (96 hr)
- Fathead minnow: LC50 = 15886 mg/L (96 hr)
- Bluegill/sunfish: LC50 = 21742 mg/L (96 hr)
- Flea: EC50 = 10457 mg/L (96 hr)

*The following data are available for 2-Butoxyethanol:*
- Goldfish: LC50: 1650 mg/L (24 Hr)
- Bluegill/Sunfish: LC50: 1490 mg/L (96 Hr)
- Tidewater silversides: LC50: 1250 mg/L (96 Hr)

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: **Consumer Waste:** Dispose of according to pertinent state and local household waste and requirements. **Industrial Use:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada.

**EPA WASTE NUMBER:** Wastes consisting only of this product are RCRA code D001; however, the specific RCRA codes depend on the exact nature of the discarded material.

14. TRANSPORTATION INFORMATION


**PROPER SHIPPING NAME:** Paint
**DOT:** UN1263, PAINT, 3, III, LIMITED QUANTITY
**IMDG:** UN1263, PAINT, 3, III, LIMITED QUANTITY, 34°C EMS: F-E, S-E
**IATA:** UN1263, PAINT, 3, III,
**NORTH AMERICAN RESPONSE GUIDEBOOK NUMBER (2000):** 126
MARINE POLLUTANT: No component is designated as a DOT Marine Pollutant.

TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: The above-listed DOT basic description applies to this product under the regulations of Transport Canada.

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

EPA REPORTING REQUIREMENTS: The following reporting requirements are applicable to components of this product:

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>SECTION 302 (40 CFR 355, Appendix A)</th>
<th>SECTION 304 (40 CFR Table 302.4)</th>
<th>SECTION 313 (40 CFR 372.65)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>Epichlorohydrin/Bisphenol A</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

U.S. SARA SECTION 311/312 FOR PRODUCT: Acute health effects; chronic health effects; flammable.

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER U.S. FEDERAL REGULATIONS: Not applicable.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):
“WARNING: This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.”

ANSI LABELING (Z129.1):
DANGER! FLAMMABLE. CONTENTS HARMFUL. MAY IRRITATE SKIN OR EYES. FUMES OR VAPORS MAY CATCH FIRE. DURING USE, CONTENTS UNDER PRESSURE. CONTAINER MAY EXPLODE IF HEATED.

ANSI LABEL PRECAUTIONS:
Do not swallow. Do not get in eyes. Avoid breathing fumes, dusts, vapors or mist. Do not get on skin or clothing. Do not smoke. Wear appropriate protective equipment. Use only in a well-ventilated area. Wash thoroughly after use. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Contents under pressure after mixing. After mixing, components chemically react. Follow mixing instructions exactly.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.

CANADIAN WHMIS SYMBOLS: B3 - Flammable and combustible material - Combustible liquid
D2A - Poisonous and infectious material - Immediate and serious effect - toxic

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

This product is sold to consumers for household use in containers of relatively small volume (i.e. 5 gallon or less in size). This MSDS has been developed to address safety concerns affecting those individuals working in warehouses and other places where large numbers of these containers are stored, as well as those affecting potential users of this product in industrial/occupational settings. All pertinent health, safety and environmental information have been presented in this document, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.

DEFINITIONS OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these, which are commonly used, include the following:
CAS #: This is the Chemical Abstract Service Number that uniquely identifies each compound.

ACGIH - American Conference of Governmental Industrial Hygienists, a professional association which establishes exposure limits.

TLV - Threshold Limit Value - an airborne concentration of a substance that represents conditions under which it is generally believed that nearly all workers can be repeatedly exposed without adverse effect. The duration must be considered, including the 8-hour Time Weighted Average (TWA), the 15-minute Short Term Exposure Limit, and the instantaneous Ceiling Level (C). Skin absorption effects must also be considered.

OSHA - U.S. Occupational Safety and Health Administration.

PEL - Permissible Exposure Limit - This exposure value means exactly the same as a TLV, except that it is enforceable by OSHA. The OSHA Permissible Exposure Limits are based in the 1989 PELs and the June, 1993 Air Contaminants Rule (Federal Register: 58: 35338-35351 and 58: 40191). Both the current PELs and the vacated PELs are indicated. The phrase, “Vacated 1989 PEL,” is placed next to the PEL that was vacated by Court Order.

IDLH - Immediately Dangerous to Life and Health - This level represents a concentration from which one can escape within 30-minutes without suffering escape-preventing or permanent injury. The DFG - MAK is the Republic of Germany's Maximum Exposure Level, similar to the U.S. PEL. NIOSH is the National Institute of Occupational Safety and Health, which is the research arm of the U.S. Occupational Safety and Health Administration (OSHA). NIOSH issues exposure guidelines called Recommended Exposure Levels (RELs). When no exposure guidelines are established, an entry of NE is made for reference.

HAZARDOUS RATINGS:

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:

Health Hazard: 0 (minimal acute or chronic exposure hazard); 1 (slight acute or chronic exposure hazard); 2 (moderate acute or significant chronic exposure hazard); 3 (severe acute exposure hazard; onetime overexposure can cause permanent injury and can be fatal); 4 (extreme acute exposure hazard; onetime overexposure can be fatal). Flammability Hazard: 0 (minimal hazard); 1 (materials that require substantial pre-heating before burning); 2 (combustible liquid or solids; liquids with a flash point of 38-93°C [100-200°F]); 3 (Class IB and IC flammable liquids with flash points below 38°C [100°F]); 4 (Class IA flammable liquids with flash points below 23°C [73°F] and boiling points below 38°C [100°F]). Reactivity Hazard: 0 (normally stable); 1 (material that can become unstable at elevated temperatures or which can react slightly with water); 2 (materials that are unstable but do not detonate or which can react violently with water); 3 (materials that can detonate when initiated or which can react explosively with water); 4 (materials that can detonate at normal temperatures or pressures).

NATIONAL FIRE PROTECTION ASSOCIATION: Health Hazard: 0 (material that on exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials); 1 (materials that on exposure under fire conditions could cause irritation or minor residual injury); 2 (materials that on intense or continued exposure under fire conditions could cause temporary incapacitation or possible residual injury); 3 (materials that can on short exposure could cause serious temporary or residual injury); 4 (materials that under very short exposure could cause death or major residual injury). Flammability Hazard and Reactivity Hazard: Refer to definitions for "Hazardous Materials Identification System" FLAMMABILITY LIMITS IN AIR:

Much of the information related to fire and explosion is derived from the National Fire Protection Association (NFPA). Flash Point - Minimum temperature at which a liquid gives off sufficient vapors to form an ignitable mixture with air. Autoignition Temperature: The minimum temperature required to initiate combustion in air with no other source of ignition. LEL - the lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source. UEL - the highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source.

TOXICOLOGICAL INFORMATION:

Possible health hazards as derived from human data, animal studies, or from the results of studies with similar compounds are presented. Definitions of some terms used in this section are: LD50 - Lethal Dose (solids & liquids) which kills 50% of the exposed animals; LC50 - Lethal Concentration (gases) which kills 50% of the exposed animals; ppm concentration expressed in parts of material per million parts of air or water; mg/m³ concentration expressed in weight of substance per volume of air; mg/kg quantity of material, by weight, administered to a test subject, based on their body weight in kg. Other measures of toxicity include TDL0, the lowest dose to cause a symptom and TCLI0 the lowest concentration to cause a symptom; TDLo, LDLo, LDo, TCLo, and CLo, the lowest dose (or concentration) to cause lethal or toxic effects. BEI - Biological Exposure Indices, represent the levels of determinants which are most likely to be observed in specimens collected from a healthy worker who has been exposed to chemicals to the same extent as a worker with inhalation exposure to the TLV. Ecological Information: EC is the effect concentration in water.

Data from several sources are used to evaluate the cancer-causing potential of the material. The sources and ratings are: IARC - the International Agency for Research on Cancer; 1 = Carcinogenic to humans, 2A, 2B = Probably carcinogenic to humans, 3 = Unclassifiable as to carcinogenicity in humans, and 4 = Probably not carcinogenic to humans. NTP - the National Toxicology Program; K =Known to be a human carcinogen, and R = Reasonably anticipated to be a human carcinogen. RTECS - the Registry of Toxic Effects of Chemical Substances. OSHA - Occupational Safety and Health Administration and CAL/OSHA - California’s subunit of the Occupational Safety and Health Administration; Ca = Carcinogen defined with no further categorization. ACGIH - American Conference of Governmental Industrial Hygienists; A1 = Confirmed human carcinogen, A2 = Suspected human carcinogen, A3 = Confirmed...
animal carcinogen with unknown relevance to humans, A4 = Not classifiable as a human carcinogen, and A5 = Not suspected as a human carcinogen. NIOSH – U.S. National Institute for Occupational Safety and Health; Ca = Potential occupational carcinogen, with no further categorization. EPA – U.S. Environmental Protection; A = Human carcinogen, B = Probable human carcinogen, C = Possible human carcinogen, D = Not classifiable as to human carcinogenicity, E = Evidence of Non-carcinogenicity for humans, K = Known human carcinogen, L = Likely to produce cancer in humans, CBD = Cannot be determined, NL = Not likely to be carcinogenic in humans, and I = Data are inadequate for an assessment of human carcinogenic potential.

REGULATORY INFORMATION:

This section explains the impact of various laws and regulations on the material. EPA is the U.S. Environmental Protection Agency. WHMIS is the Canadian Workplace Hazardous Materials Information System. DOT and TC are the U.S. Department of Transportation and the Transport Canada, respectively. Superfund Amendments and Reauthorization Act (SARA); the Canadian Domestic/Non-Domestic Substances List (DSL/NDSL); the U.S. Toxic Substance Control Act (TSCA); Marine Pollutant status according to the DOT; the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund); and various state regulations. This section also includes information on the precautionary warnings that appear on a material's industrial package label.