



**SECTION 1: Identification and Company Details**

**Product Name:** Urethane Adhesive Cleaner  
**Product Code:** 5505  
**Manufacturer/ Supplier:** Roberts Consolidated Industries, Inc.  
**Address:** 300 Cross Plains Blvd.  
Dalton, GA 30721  
**Emergency Phone:** (800) 424-9300 (24-hour Response / CHEMTREC)  
**Product Information:** (706) 277-5294  
**Recommended Use:** Adhesive removal.

**SECTION 2: Hazard(s) Identification**

**OSHA / HCS Status:** This material is considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Classification of the substance or mixture:**  
Acute Oral Toxicity Category 4  
Acute Inhalation Toxicity (Vapors) Category 4  
Skin Irritation Category 2  
Eye Irritation Category 2

**Signal Word:** Warning

**Hazard Statements:**  
Harmful if swallowed  
Harmful if inhaled  
Causes skin irritation  
Causes serious eye irritation

**Hazard Pictograms:** None

**Precautionary Statements:** Wash hands thoroughly after handling.  
Avoid breathing vapors.  
Use only outdoors or in a well-ventilated area.  
Do not eat, drink or smoke when using this product.  
Wear eye protection, protective clothing, protective gloves.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
Rinse mouth.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Dispose of contents/container to licensed waste handling facility.

**Other hazards:** No additional information available

**Unknown acute toxicity (GHS-US):** No data available.

### SECTION 3: Composition / Information on Ingredients

|                            | Weight %     | CAS #    |
|----------------------------|--------------|----------|
| Benzyl Alcohol             | Proprietary* | 100-51-6 |
| 2-(2-butoxyethoxy) ethanol |              |          |
| Aliphatic dibasic esters   | Proprietary* | 112-34-5 |

\*The exact percentage of composition has been withheld as a trade secret

### SECTION 4: First-Aid Measures

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing stops, give artificial respiration. If breathing is difficult, give oxygen.

**Skin Contact:** IF ON SKIN: Immediately rinse with plenty of soap and water (for at least 15 minutes). If skin irritation occurs, get medical advice/attention. Remove contaminated clothing/shoes and wash before reuse

**Eye Contact:** IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation occurs, get medical advice/attention.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important symptoms and effects, both acute and delayed:**

**Symptoms/injuries:** May be fatal if swallowed and enters airways.

**Symptoms/injuries after inhalation:**

Inhalation in high concentrations may cause irritation of the mucous membranes. Solvent vapors are hazardous and may cause nausea, sickness and headaches. Aspiration of this material into the lungs may cause chemical pneumonia or death.

**Symptoms/injuries after skin contact:**

Contact is likely to cause irritation.

**Symptoms/injuries after eye contact:**

Direct contact with the eyes is likely to be irritating.

**Symptoms/injuries after ingestion:**

May be harmful if swallowed. Acute ingestion causes CNS depression, oropharyngeal and gastric pain and vomiting.

**Chronic symptoms:** No data available.

**Indication of any immediate medical attention and special treatment needed:**

No additional information available

### SECTION 5: Fire-Fighting Measures

**Extinguishing media:** Suitable extinguishing media: Water fog, dry chemical, foam.

**Special hazards arising from the substance or mixture:**

**Explosion hazard:** Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Reactivity:** No dangerous reactions known under normal conditions of use.

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

**Protection of Firefighters:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

## SECTION 6: Accidental Release Measures

**Personal Precautions:** Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

**Environmental Precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

**Methods of Clean-up:** Small spillages: Absorb with sand or other inert absorbent. Large spillages: Dam and absorb. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wear necessary protective equipment.

**For non-emergency personnel:**  
Protective equipment: Wear Protective equipment as described in Section 8.  
Emergency procedures: Evacuate unnecessary personnel.

**For emergency responders:**  
Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

**Methods for containment:** For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for cleaning up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

**Reference to other sections:** No additional information available

## SECTION 7: Handling and Storage

**Handling Precautions:** Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking.

**Storage:** Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container closed when not in use. Do not allow to freeze, as container may burst.

**Specific end use(s):** No additional information available

## SECTION 8: Exposure Control / Personal Protection

**Engineering Controls:** Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:**

**Hand Protection** - Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

**Skin Protection** - Wear suitable protective clothing.

**Eye/Face Protection** - Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Have eye flushing equipment available.

**Respiratory Protection** - An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

| Chemical Name / CAS No.              | OSHA Exposure Limits | ACGIH Exposure Limits |
|--------------------------------------|----------------------|-----------------------|
| Benzyl Alcohol / 100-51-6)           | Not Established      | Not Established       |
| 2-(2-butoxyethoxy)ethanol / 112-34-5 | Not Established      | 10 ppm TWA            |
| Aliphatic dibasic esters (mixture)   |                      |                       |

## SECTION 9: Physical and Chemical Properties

|   |  |
|---|--|
| <b>Physical state:</b>                              | Liquid, viscous                            |
| <b>Appearance:</b>                                  | Clear                                      |
| <b>Color:</b>                                       | None                                       |
| <b>Odor:</b>  | Sharp                                      |
| <b>Odor Threshold:</b>                              | No data available                          |
| <b>pH:</b>  | Not applicable                             |
| <b>Relative evaporation rate (butyl acetate=1):</b> | No data available                          |
| <b>Melting point:</b>                               | No data available                          |
| <b>Freezing point:</b>                              | No data available                          |
| <b>Boiling point:</b>                               | 195 °C (383 °F) Note: Minimum              |
| <b>Flash point:</b>                                 | 94 °C (200 °F) Note: Minimum. Method: PMCC |
| <b>Self-ignition temperature:</b>                   | No data available                          |
| <b>Decomposition temperature:</b>                   | No data available                          |
| <b>Flammability (solid, gas):</b>                   | No data available                          |
| <b>Vapor pressure:</b>                              | < 0.1 mm Hg @ 68 °F                        |
| <b>Relative vapor density at 20 °C:</b>             | No data available                          |
| <b>Relative density:</b>                            | Heavier than air                           |
| <b>Solubility:</b>                                  | No data available                          |
| <b>Log Pow:</b>                                     | No data available                          |
| <b>Log Kow:</b>                                     | No data available                          |
| <b>Viscosity, kinematic:</b>                        | No data available                          |
| <b>Viscosity, dynamic:</b>                          | No data available                          |
| <b>Explosive properties:</b>                        | No data available                          |
| <b>Oxidizing properties:</b>                        | No data available                          |
| <b>Explosive limits:</b>                            | No data available                          |
| <b>VOC content:</b>                                 | < 500 g/L*                                 |

\*When determining VOC content in accordance with the requirements set forth by the California Air Resource Board (CARB) and Ozone Transport Commission (OTC) for the category Specialty Adhesive Removers, effective 01-01-2009

## SECTION 10: Stability and Reactivity

|  |   |
|--|---|
| <b>Chemical Stability:</b>                 | Stable under recommended handling and storage conditions (see section 7). |
| <b>Conditions to Avoid:</b>                | Sparks, heat, open flame..  |
| <b>Materials to Avoid:</b>                 | Avoid contact with: Strong acids and oxidizers.                           |
| <b>Reactivity:</b>                         | No dangerous reactions known under normal conditions of use.              |
| <b>Possibility of Hazardous Reactions:</b> | None known.   |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition generates: Carbon oxides (CO, CO2).                 |

## SECTION 11: Toxicological Information

|                        |                           |
|------------------------|---------------------------|
| <b>Acute toxicity:</b> | Oral, Inhalation - vapors |
|------------------------|---------------------------|

|   |              |
|---|--------------|
| <b>Benzyl Alcohol (100-51-6)</b>            |              |
| LD50 oral rat                               | > 1200 mg/kg |
| LD50 dermal                                 | > 2000 mg/kg |
| <b>2-(2-butoxyethoxy)ethanol (112-34-5)</b> |              |
| LD50 oral                                   | > 4500 mg/kg |
| LD50 dermal                                 | > 2700 mg/kg |
| <b>2-(2-butoxyethoxy)ethanol (112-34-5)</b> |              |
| LD50 oral rat                               | > 4500 mg/kg |
| LD50 dermal rabbit                          | > 2500 mg/kg |
| <b>Alcohol Ethoxylate (34398-01-1)</b>      |              |
| LD50 oral rat                               | > 1300 mg/kg |
| LD50 dermal rabbit                          | > 2 g/kg     |

|  |  |
|--|--|
| <b>Skin Corrosion/Irritation:</b>                          | Skin Irritant Category 2   |
| <b>Serious Eye Damage/Irritation:</b>                      | Eye Irritant Category 2A   |
| <b>Respiratory or Skin Sensitization:</b>                  | Not classified   |
| <b>Germ Cell Mutagenicity:</b>                             | Not classified   |
| <b>Carcinogenicity:</b>                                    | Not classified   |
| <b>Reproductive Toxicity:</b>                              | Not classified   |
| <b>Specific Target Organ Toxicity (Single Exposure):</b>   | Not classified   |
| <b>Specific target Organ Toxicity (Repeated Exposure):</b> | Not classified   |
| <b>Aspiration Hazard:</b>                                  | May be fatal if swallowed and enters airways.  |
| <b>Symptoms/Injuries After Inhalation:</b>                 | Inhalation in high concentrations may cause irritation of the mucous membranes. Solvent vapors are hazardous and may cause nausea, sickness and headaches. Aspiration of this material into the lungs may cause chemical pneumonia or death. |
| <b>Symptoms/Injuries After Skin Contact:</b>               | Contact may cause irritation.  |
| <b>Symptoms/Injuries After Eye Contact:</b>                | Direct contact with the eyes is likely to be irritating.   |
| <b>Symptoms/Injuries After Ingestion:</b>                  | Acute ingestion causes CNS depression, oropharyngeal and gastric pain and vomiting.  |

## SECTION 12: Ecological Information

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| <b>Toxicity:</b>                      | No additional information available |
| <b>Persistence and degradability:</b> | No additional information available |
| <b>Bio accumulative potential:</b>    | No additional information available |
| <b>Mobility in soil:</b>              | No additional information available |
| <b>Other adverse effects:</b>         | No additional information available |

## SECTION 13: Disposal Considerations

|  |   |
|--|---|
| <b>Waste treatment methods:</b>        | Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit. |
| <b>Waste disposal recommendations:</b> | Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.                             |

## SECTION 14: Transport Information

|   |   |
|---|---|
| <b>In Accordance with DOT:</b>                            | Transport document description: Cleaning Compound   |
| <b>Department of Transportation (DOT) Hazard Classes:</b> | Not Regulated – Product does not sustain combustion |
| <b>Transport by Sea:</b>                                  | No additional information available                 |
| <b>Air Transport:</b>                                     | No additional information available                 |

In accordance with ADR / RID / IMDG / IATA / ADN

## SECTION 15: Regulatory Information

|   |  |
|---|--|
| <b>US Federal Regulations:</b>              | All chemical substances in this product are listed or exempted in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory                    |
| <b>SARA Section 311/312 Hazard Classes:</b> | Immediate (acute) health hazard  |
| <b>International Regulations:</b>           |  |
| <b>CANADA:</b>                              | 2-(2-butoxyethoxy) ethanol (112-34-5)<br>Listed on the Canadian DSL (Domestic Substances List) inventory   |
| <b>National Regulations:</b>                | 2-(2-butoxyethoxy) ethanol (112-34-5)<br>Listed on Inventory of Existing Chemical Substances (IECSC)<br>Listed on the AICS (the Australian Inventory of Chemical Substances) |

Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.

Listed on the Korean ECL (Existing Chemical List) inventory.

Listed on the Philippines CCS (Chemicals & Chemical Substances) inventory

**US State regulations:** California Proposition 65

This product DOES NOT contain a chemical known to the State of California to cause birth defects or other reproductive harm.

#### **SECTION 16: Other Information**

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

**HMIS RATING: HEALTH-1, FLAMMABILITY-1, REACTIVITY-0, PERSONAL PROTECTION- B.**

Prepared by: Roberts Consolidated Product Safety & Regulatory Compliance Group, (706) 277-5294

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts Consolidated urges users of this product to evaluate its suitability and compliance with local regulations as Roberts Consolidated cannot foresee the final use of the product, nor the final location of usage.

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