

Health	0
Fire	0
Reactivity	0
Personal Protection	A

Material Safety Data Sheet Water, Purified MSDS

Section 1: Chemical Product and Company Identification

Product Name: Water, Purified

Catalog Codes: 80002

CAS#: 7732-18-5

RTECS: ZC0110000

TSCA: TSCA 8(b) inventory: Water

CI#: Not available.

Synonym: Dihydrogen oxide

Chemical Name: Water

Chemical Formula: H₂O

Contact Information:

Aqua Blox LLC
2253 Vista Parkway
Suite 12
West Palm Beach, FL 33411

Toll Free: 1-866-500-2782

Web Site: www.aquablox.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-561-687-7565

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Water	7732-18-5	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-irritating to the eyes. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs. Non-corrosive to the eyes. Non-corrosive for lungs.

Potential Chronic Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-irritating to the eyes. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs.

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

Eye Contact: Not applicable.

Skin Contact: Not applicable.

Serious Skin Contact: Not available.

Inhalation: Not applicable.

Serious Inhalation: Not available.

Ingestion: Not Applicable

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Not Applicable

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Section 7: Handling and Storage

Precautions: No specific safety phrase has been found applicable for this product.

Storage: Not applicable.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Not Applicable

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill: Not Applicable

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Odorless.

Taste: Not available.

Molecular Weight: 18.02 g/mole

Color: Colorless.

pH (1% soln/water): 7 [Neutral.]

Boiling Point: 100°C (212°F)

Melting Point: Not available.

Critical Temperature: Not available.

Specific Gravity: 1 (Water = 1)

Vapor Pressure: 2.3 kPa (@ 20°C)

Vapor Density: 0.62 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not applicable

Solubility: Not Applicable

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact.

Toxicity to Animals:

LD50: [Rat] - Route: oral; Dose: > 90 ml/kg

LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. Non-irritant for lungs. Non-sensitizer for lungs.
Non-corrosive to the eyes. Non-corrosive for lungs.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Water

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

This product is not classified according
to the EU regulations.
Not applicable.

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 0

Reactivity: 0

Personal Protection: a

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Not applicable.
Lab coat.
Not applicable.
Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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**MATERIAL SAFETY DATA SHEET**

VERSION: 01/07/08

1 OF 3

Section 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Air-Activated heating packs of various sizes
(HotHands-2, Foot Warm-Up, Toasti Toes, HotHands Body Warmer, Adhesive Body Warmer & Survival Heat Pack)

SYNONYM: Heating pad wrapped in protective film.

ADDRESS: HEATMAX, INC., 505 HILL ROAD, DALTON, GA 30721

EMERGENCY PHONE NUMBER: (706) 226-1800

For non-emergency information, call: 1-800-432-8629

Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS NO.</u>
Iron powder	7439-89-6
Activated charcoal	7440-44-0
Water	N/A
Vermiculite	1318-00-9
Salt	7647-14-5

Section 3: HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Appearance and odor: Odorless, solid powder

NO SPECIFIC HAZARDS ASSOCIATED WITH THIS MATERIAL

POTENTIAL HEALTH EFFECTS

Likely routes of exposure: Skin & eye contact

Eye contact: No more than slight irritation

Skin contact: No more than slight irritation or burns

Inhalation: N/A

Ingestion: N/A

Section 4: FIRST AID MEASURES

If in eyes or on skin: Flush eyes with large amount of water until irritation subsides, if irritation persists, get medical attention.

Section 5: FIRE FIGHTING MEASURES

AUTOIGNITION: NOT NOTED

UPPER EXPLOSIVE LIMIT: N/A

FLASH POINT: NOT NOTED

LOWER EXPLOSION LIMIT: N/A

EXTINGUISHING MEDIA: In case of fire, use water, spray foam, dry chemical or carbon dioxide extinguisher.

FIRE FIGHTING PROCEDURE: NO SPECIAL PROCEDURES ARE REQUIRED.

Section 6: SPILL OR LEAK PROCEDURES

Spill or leak procedures: Spills or leaks should be cleaned with water.

Waste disposal methods: Dispose with regular garbage.

Section 7: HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

STORAGE TEMPERATURE: COOL DRY PLACE

HANDLING/STORAGE PROCEDURE: NONE

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

RESPIRATORY PROTECTION: NOT APPLICABLE

VENTILATION PROTECTION: NOT APPLICABLE

EFFECTS OF CHRONIC EXPOSURE: NONE

EYE PROTECTION: NOT APPLICABLE

APPLICABLE GLOVE REQUIREMENT: NOT APPLICABLE

CLOTHING: NOT APPLICABLE

RESPIRATORY PROTECTION: NONE

VENTILATION REQUIREMENT: NONE

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: DARK POWDER

ODOR: ODORLESS

DISPERSIBILITY: SLIGHTLY SOLUBLE IN WATER

BOILING POINT: NOT NOTED

BULK DENSITY: (gm per cc) NOT NOTED

SPECIFIC GRAVITY: (water = 1) NOT NOTED

PH: NOT NOTED

VOLATILES: NOT NOTED

Section 10: STABILITY AND REACTIVITY

STABILITY: STABLE WILL NOT POLYMERIZE

MATERIALS TO AVOID: NONE

HAZARDOUS DECOMPOSITION: NONE KNOWN

HAZARDOUS POLYMERIZATION: DOES NOT OCCUR

Section 11: TOXICOLOGICAL INFORMATION

HEATMAX, INC. has not conducted toxicity studies on this product and limited data is available in current scientific literature.

However, toxicity information is available on other closely related material.

Section 12: ECOLOGICAL INFORMATION

ALL NATURAL INGREDIENTS THAT WILL NOT HARM THE ENVIRONMENT

Section 13: DISPOSAL CONSIDERATIONS

This product is not a "HAZARDOUS WASTE". It can be disposed of with regular garbage.

Section 14: TRANSPORT INFORMATION

THIS PRODUCT IS NOT HAZARDOUS UNDER THE APPLICABLE D.O.T. REGULATIONS

Section 15: REGULATORY INFORMATION

The information given and the recommendations made herein apply to our product(s) alone and not combined with other product(s). Information is based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes. This notice must not be detached from the forgoing MSDS. If the MSDS is copied for any reason, including distribution this notice also must be copied and accompany all redistributed MSDS. FAILURE TO DO SO MAY BE SUBJECT TO PENALTIES UNDER LAW.

Although the information and recommendations set forth herein (hereinafter: "information") are presented in good faith and believed to be correct as of the date hereof, HEATMAX, INC. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will HEATMAX, INC. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. ***NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.***



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Toll Free: (888) DYNAREX * **Website:** www.thcnet.com
Fax: (845) 365-8201

Reviewed on 12/7/12

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Instant Cold Packs
Product Use: An economical, one time use disposable product that promotes faster healing for the treatment of bruises, cuts, lacerations, sprains, minor burns, sinus & tension headaches, insect bites and toothaches.
Product Codes: 4511-4512-4515
Responsible Party: Dynarex Corporation
10 Glenshaw Street
Orangeburg, NY 10962
Emergency or Information Phone No.: (888)-DYNAREX or 845-365-8200 (Mon – Fri).
At other times, contact the local Poison Control Center.

EMERGENCY OVERVIEW

Emergency Telephone Numbers:
Local Emergency Center

Health Hazards: Dry chemical of cold pack is an eye and skin irritant. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Physical Hazards: Dry chemical is an oxidizer. Oxidizers can support combustion. Contact may increase flammability of other materials. Avoid contact with clothing and other combustible material.

- Physical Form: Solid/Liquid
- Appearance: White solid in water bag
- Odor: None

NFPA HAZARD CLASS:	Health:	1 (Slight)
	Flammability:	0 (Least)
	Reactivity:	3 (High)
	Other:	OXY (Oxidizer)



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2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Ammonium Nitrate CAS# 6484-52-2	40-70	Not Established		
<u>OTHER COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Water CAS# 7732-18-5	30-60	Not Established		

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or you local agencies, for further information.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Keep out of reach of children. (S2)

PRIMARY ROUTE(S) OF ENTRY

Eye and Skin, if liquid escapes from sealed container.
No hazard expected with intact product.

EYES

Liquid content may cause irritation to the eyes; R36.
Avoid contact with eyes; S25

SKIN

Liquid content may be irritating to skin; R38.

INGESTION

Harmful if swallowed; R22.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

In case of accidental overdose, contact a Physician or Poison Control Center.

4. FIRST AID MEASURES

Eye: Move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek immediate medical attention. For direct contact, immediately hold eyelids apart and flush the affected eye(s) with clean water for at least 15 minutes. Seek medical attention.

Skin: Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap or water. If irritation or redness develops, seek medical attention.



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Inhalation (Breathing): If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): If swallowed, seek emergency medical attention. If victim is drowsy or unconscious and vomiting, place on left side with the head down and do not give anything by mouth. If victim is conscious and alert and ingestion occurred within the last hour, vomiting should be induced for ingestion of large amounts (more than 5 ounces in an adult) under direction from a physician or poison center. If possible, do not leave victim unattended and observe closely for adequacy of breathing.

Note to Physicians: Nitrates in large doses may cause significant vasodilation and hypotension. Pre-existing ischemic heart disease may be aggravated by these effects. In large ingestions nitrates may cause methemoglobinemia. Methemoglobinemia should be suspected if cyanosis occurs. Methylene blue (1-2 mg/kg I.V. over several minutes) is an effective antidote for symptomatic methemoglobinemia.

5. FIRE FIGHTING MEASURES

Flammable Properties: Flash Point: **None**
OSHA Flammability Class: **Not applicable**
LEL/UEL: **No data**
Autoignition Temperature: **No data**

Unusual Fire & Explosion Hazards: Oxidizer. The dry chemical of this material is an oxidizer and may increase inflammability of any combustible substance. It is the nature of oxidizers to provide their own oxygen source; smothering a fire may be ineffective. Nitrate salts support combustion under certain conditions. Ammonium nitrate is capable of detonation if heated under confinement or if subjected to strong shocks. Organic or other easily oxidizable matter can sensitize it to a more readily explodable state. Do not allow product to evaporate to dryness, especially in contact with combustible materials.

Extinguishing Media: Use water only. Do not use dry chemical, carbon dioxide or foam.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk.

6. ACCIDENTAL RELEASE MEASURES

The dry chemical of this material is an oxidizer. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended.

Stay upwind and away from spill/release. Notify person down wind of spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective



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equipment including respiratory protection as conditions warrant (see Section 8). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended.

7. HANDLING AND STORAGE

Handling: Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Section 2 and 8). Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. Container should be disposed in an environmentally safe manner and in accordance with governmental regulations.

Before working on or in tanks which contain or have contained this material, refer to OSHA Regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, welding, or other contemplated operations.

Storage: Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Post area "No Smoking or Open Flame." Solution is corrosive to copper, copper alloys, lead, and zinc. Store to avoid contact with incompatible materials such as ordinary combustibles, flammable liquids, greases, and those materials, including other oxidizers, that could react with the oxidizer or catalyze its decomposition (see Section 10). Prohibit accumulation of combustible waste in storage areas. Combustible construction materials that may be in contact with oxidizers shall be protected with a compatible coating to prevent impregnation of the combustible materials by the oxidizers. Protect container(s) against physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to minimize exposure, additional ventilation or exhaust systems may be required.

Personal Protective Equipment (PPE):

Respiratory: A NIOSH/MSHA approved air purifying respirator with a N95 filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2). Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a positive pressure air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin: The use of gloves impermeable to the specific material handled is advised to prevent skin contact, possible irritation, absorption, and skin damage (see glove manufacturer literature for information on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.



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Eye/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Flash Point: **None**

Flammable/Explosive Limits (%): LEL/UEL: **No data**

Autoignition Temperature: **No data**

Appearance: **White solid in water bag**

Physical State: **solid/Liquid**

Odor: **None**

pH: **No data**

Vapor Pressure (mm Hg): **No data**

Boiling Point: **No data**

Freezing/Melting Point: **No data**

Solubility in Water: **100%**

Specific Gravity: **approx 1.3**

Evaporation Rate (nBuAc=1): **No data**

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of storage and handling. Dry chemical is an oxidizer and may promote combustion in other materials.

Conditions To Avoid: This material may be an oxidizer. Do not heat above 250°F. Do not let dry chemical or solution dry or crystallize in contact with organic, reactive, or combustible materials (see Sections 7).

Incompatible Materials: Avoid contact with reactive, combustible, or organic materials, such as wood, grain, organic chemicals, acids, corrosive liquids, sulfur, flammable liquids, chlorates, permanganates, finely divided materials, charcoal, coke, cork, or sawdust. Avoid contact with other oxidizers. Contact with alkaline materials may liberate ammonia.

Hazardous Decomposition Products: Material will not burn, but if involved in a fire, oxides of nitrogen may be generated. Exposure to heat may liberate ammonia fumes.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

No definitive information available on carcinogenicity, mutagenicity, target organs or developmental toxicity.



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12. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, may be a RCRA "characteristic" hazardous waste due to the characteristic(s) of ignitability (D001). If the material is spilled to soil or water, characteristic testing of the contaminated materials is recommended. To assure proper disposal, consult with state and local regulations and disposal authorities.

13. TRANSPORT INFORMATION

PROPER SHIPPING NAME: DOT CONSUMER COMMODITY
 CLASS/DIVISION: ORM-D
 PACKING GROUP: Not Applicable
 LABELS: ORM-D
 UN/ID#: NONE

PROPER SHIPPING NAME: IATA AMMONIUM NITRATE
 CLASS DIVISION: 5.1
 PACKING GROUP: III
 LABELS: OXIDIZER
 UN/ID#: UN1942

PROPER SHIPPING NAME: IMO AMMONIUM NITRATE, LIMITED QUANTITY
 CLASS/DIVISION: 5.1
 PACKING GROUP: III
 LABELS: Not required, however, the words "LIMITED QUANTITY" should be marked on the unitized package.
 UN/ID#: UN1942

14. REGULATORY INFORMATION

This material contains the following chemicals subject to the reporting requirements of **SARA 313** and 40 CFR 372.

COMPONENT	CAS NUMBER
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Ammonia (includes anhydrous ammonia and aqueous ammonia from water dissociable ammonium salts and other sources; 10 percent of total aqueous ammonia is reportable under this listing)	7446-41-7
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Water dissociable nitrate compounds	None
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Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of **California Proposition 65** (CA Health & Safety Code Section 25249.5)

--None Known--

This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

EPA (CERCLA) Reportable Quantity: --None--



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15. DOCUMENTARY INFORMATION

Issue Date: 02/12/09
Previous Issue Date: None
Product Code: Various Private Label

16. DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use. This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200). Use product for intended purpose only, within its expiration date.

MATERIAL SAFETY DATA SHEET

Paramold Manufacturing, LTD
90 Bourne Boulevard
Sayville, NY 11782
Telephone: (631) 589-5454
Fax: (631) 589-1232
Web Site: www.paramold.com
email: paramold@optonline.net

SECTION I - IDENTIFICATION

Name: 130 FRP
Item #: 800-130
Chemical Name: Clay treated paraffin wax
Formula: Complex mixture of petroleum hydrocarbons
Synonyms: Fully refined paraffin wax
Chemical Family: Paraffin wax
Transportation Emergency: CHEMTREC 1-800-424-9300 (US & Canada)

SECTION II - TYPICAL COMPOSITION

Material: Fully refined paraffin wax
% Weight: 100%
CAS #: 8002-74-2
OSHA PEL: None
Other TWA: None
ACGIH TLV: None Established
Chemical Identity: Clay treated paraffin wax
Emergency Overview: White waxy solid, practically odorless. Will burn in a fire

SECTION III - POTENTIAL HEALTH EFFECTS

Primary routes of exposure: Skin contact
Injection: This material is considered to be in the slight to non-toxic category. Low oral toxicity.
Skin: May be irritating to the skin upon prolonged or repeated contact.
Eye: Vapors from heated product may cause irritation
Inhalation: Vapors from heated product may cause irritation of the nose, throat, and lung.

SECTION IV - FIRST AID

Ingestion: If swallowed, give two glasses of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
Skin: Wash affect area thoroughly with waterless cleaner and/or soap and water. If irritation persists, consult a physician.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Give oxygen if needed. Seek medical attention.
Eyes: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids open. Consult a physician if irritation persist.

SECTION V - FIRE FIGHTING PROCEDURES

Flash Point:	>370 F
Autoignition Temperature:	N/A
Flammability Limits:	N/A
Extinguishing Media:	Carbon dioxide, dry chemical, foam, water fog.
Special Firefighting Procedures:	For small fires involving this product, no special procedures or precautions are necessary. For large fires, such as in any fire, wear self-contained breathing apparatus (pressure demand, MSHA/NIOSH approved or equivalent) and full protective gear. Keep personnel removed from and upwind fire.

SECTION VI - ACCIDENTAL RELEASE MATERIALS

Steps to be taken if material is released or spilled:	Clean up spills as soon as possible. If materials in a liquid state, absorb on commercially available material, such as absorbent clay. If material is in a solid state, scoop or shovel into containers for recovery or disposal.
Waste Disposal Method:	Incinerate material at a permitted facility in accordance with current suitable for disposal and bury in an approved landfill according to current local, state and federal regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

SECTION VII - HANDLING AND STORAGE

Precautions to be taken in Handling & Storage	This material is not hazardous under normal handling and storage conditions. Do not store near high heat or open flames.
Precautions During Use:	Avoid prolonged or repeated skin contact. Skin contact can be minimized by wearing chemically resistant gloves. Good personal hygiene is essential; hands and other exposed areas should be washed thoroughly with soap and after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing will reduce indirect skin contact with this material.

SECTION VIII - EXPOSURE CONTROLS

Ventilation:	None required under normal operating conditions. The ventilation system employed is dependant on the user's specific application of the material.
Respiratory Protection:	None required under normal operating conditions.
Protective Gloves:	Chemically resistant gloves should be should be worn to minimize skin exposures where prolonged or repeated contact can occur.
Eye Protection:	Wear safety glasses or chemical splash goggles (ANSI Z87.1 or approved equivalent) to reduce the possibility or accidental eye contact.
Other Protective Equipment:	None necessary for normal use.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Boiling Point:	N/A
API Gravity:	36 - 43
Vapor Pressure 20 C/68 F:	Nil
Solubility in water % by weight:	Nil
Melting Point:	125 - 130 F
Viscosity @ 210 F, SUS:	37 - 50
Specific Gravity:	0.81 - 0.835
Physical State:	Solid (at 70 F)
Vapor Density	N/A
Percent Volitiles by Weight:	N/A
Evaporation Rate:	N/A
Appearance and Odor:	Hard white wax, nearly odorless

SECTION X - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	High temperatures and open flame.
Incompatibility	
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Combustion or	
Decomposition Materials:	Oxides of Carbon and Nitrogen.
Hazardous Polymerization:	Will not occur.

SECTION XI - REGULATORY INFORMATION

Workplace Classifications:	This product is considered non-hazardous under the OSHA Hazard Communication Standard. This product is not a controlled product under the Canadian Workplace Hazardous Materials Information Systems (WHMIS).
Transportation Classifications:	US Department of Transportation (DOT) Hazard Class - Nonregulated
Emergency planning and	SARA Title III Section 311.312 Categorizations (40 CFR 370)
Community Right-to Know:	This product not a hazardous chemical under 29 CFR 1910.1200, and therefore is no covered by SARA Title III of SARA
Toxic Substance Control Act:	CAS Number 8002-74-2 This product is listed on the TSCA inventory.
Comprehensive Environmental Response, Compensation & Liability Act (40 CFR 302.4):	Releases of this material to air, land or water are not reportable to the National Response Center under CERCLA/Superfund or to state and local emergency planning committees under the Superfund Amendments Reauthorization Act (SARA) Title III Section 304.
Resource Conservation & Recovery Act:	When this product becomes a waste, it is classified as a nonhazardous waste under the criteria of RCRA (40 CFR 261)

SAFETY DATA SHEET

1. Product and Company Identification

Red Emergency Flare - No Perchlorate (NPC)
Formulation

Identification:

The NPC flare will have the following symbol on it:

Synonyms: Emergency Road Flare
Railway Flare
NSN#: 1370-01-009-2593



Identified Use: Emergency signal

Use Advised Against:

Do not use indoors or inside a vehicle

Manufacturers Information Orion Safety Products
28320 St. Michaels Rd
Easton, MD 21601
800-637-7807
410-822-0318

EMERGENCY

CHEMTREC
1-800-424-9300

2. Hazards Identification

GHS Classifications

Skin Irritation	Category 2	H315
Eye Irritation	Category 2A	H319
STOT - Single Exposure	Category 3	H335

GHS Label Elements

Pictograms



Hazard Statements

H315 /319 Causes skin and serious eye irritation
H335 May cause respiratory irritation

Signal Word

Warning

Precautionary Statements

P103 Keep out of reach of children
P261 Avoid breathing dust/smoke.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective eye protection
P370 In case of fire: use water deluge
P501 Dispose of contents / container in accordance with local and national regulations.

P301/315 IF SWALLOWED: Get immediate medical advice /attention.
P302/352 IF ON SKIN: Wash with plenty of soap and water.
P304/340/342 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.
P305/338/351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333/313 If skin irritation or rash occurs, get medical advice / attention.

Hazards Not Otherwise Classified (HNOC): produces hot flame

3. Composition / Information on Ingredients

Component	CAS #	EINCS #	%age
Strontium Nitrate	10042-76-9	233-131-9	<75%
Sulfur	7704-34-9	231-722-6	<25%
Potassium Nitrate	7757-79-1	231-818-8	<25%
Paraffinic Oil	64742-54-7	232-384-2	<10%
Potassium Chlorate	3811-04-9	231-100-4	<5%
Waxy sawdust	mixture	none	<5%
Polyvinyl Chloride	9002-86-2	200-831-0	<5%
Shellac	mixture	none	<1%
Charcoal	1333-86-4	231-153-3	<1%

Note: Due to Confidential Business Information i. e "Trade Secrets", the exact percentage of each ingredient has not been disclosed. CBI information will be shared with appropriate authorities if circumstances warrant.

4. First Aid Measures

Description of first aid measures

Inhalation	If contents are inhaled, remove to fresh air. Watch for signs of allergic reaction. If other symptoms develop, get medical aid immediately.
Skin	If contents are contacted, wash with area with soap and water for 15 minutes. Remove contaminated clothing and wash before reuse. Get medical aid immediately if burned or irritation occurs.
Eyes	If contents get into eye, flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses if easily possible. Do not use boric acid to rinse with; sulfur is an acid irritant. Get medical aid immediately.
Ingestion	Get medical aid immediately.

Most important symptoms and effects both acute and delayed

See section 2 labeling and section 11

Indication of any immediate medical attention and special treatment needed

Burning flare can cause severe burns if in contact with body. For burns to skin, cool with water and bandage appropriately. Seek medical attention. If eye is burned, cover eye and get medical aid immediately

5. Firefighting Measures

Extinguishing Media	Water deluge	Unsuitable Extinguishing Media	Foam and dry chemical extinguishers and suffocation are ineffective.
Protective Equipment and Precautions for Firefighters	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Prevent further propagation of fire by spraying unburnt nearby product with water. Combat fire from a sheltered position.		
Specific Hazards Arising from the Chemical	Use copious amounts of water to extinguish fire comprised of flares. Flares contain oxidizers and will continue to burn unless a significant amount of water is used. Do not breathe smoke.		
Further information	No data available		

6. Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures

Do not breathe contents and avoid contact with skin and eyes. Wear flame retardant clothing with long sleeves, dust mask, rubber or nitrile gloves, safety goggles, safety shoes. Avoid friction on the released product. Keep away from ignition sources.

Environmental Precautions

Prevent dispersion of contents on soil and in water. Prevent contents from spreading or entering into drains, ditches, groundwater or rivers by using appropriate barriers.

Methods for Containment and Clean-up

Use caution when cleaning up spilled product contents. Remove heat, flames, sparks and other sources of ignition. Use non-sparking tools and equipment. Prevent buildup of electrostatic charges by grounding. Clean spills in a manner that does not disperse dust into the air. Do not absorb in sawdust or other combustible absorbents. Pick up spill for recovery or disposal and place in an approved container. Wash away remainder with plenty of water. Collect wash water for approved disposal.

7. Handling and Storage

Precautions for Safe Handling

Hold and point flare away from body when igniting. Exercise caution when using this product since molten flecks may be emitted. Produces hot flame. Burning flare can cause severe burns if in contact with body. Avoid contact with clothing and other combustible materials. Wear eye protection during use. Follow instructions on package. Use outdoors only! Do not ignite or burn product inside a vehicle or building. Avoid inhalation of smoke. Do not dismantle. Do not allow contents to touch eyes, skin or clothing. Do not ingest contents as they may be harmful if swallowed. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with heat, sparks, and flame.

Conditions for Safe Storage, Including Any Incompatibilities

Store away from direct sunlight, heat and incompatible materials. See section 10. Store away from food and beverages. Store away from flammable materials, sources of heat, flame and sparks. Store at ambient temperature. Do not store partially burned flares in a vehicle, warehouse, or any other building. Plastic bags are provided for moisture protection. Keep partially used bags sealed at all times.

8. Exposure Controls / Personal Protection

Control parameters

Exposure Limits	OSHA PEL	ACGIH TLV
Strontium Nitrate	Not Established	Not Established
Sulfur	Not Established	Not Established
Potassium Nitrate	Nuisance dust 15 mg/m ³ .	Nuisance dust 15 mg/m ³ .
Paraffinic Oil	5 mg/m ³	TWA 5 mg/m ³
Potassium Chlorate	No Airborne Exposure Limits established	No Airborne Exposure Limits established
Waxy sawdust	Not Established	Not Established
Polyvinyl Chloride	No known hazardous components above regulatory thresholds in this product.	No known hazardous components above regulatory thresholds in this product.
Shellac	Not Established	Not Established
Charcoal	Nuisance dust 15 mg/m ³ .	Nuisance dust 15 mg/m ³ .

Exposure controls

Engineering Controls

Use product outdoors only! When cleaning up contents, use local and/or general exhaust.

Personal Protective Equipment

Eye / Face Protection

Safety glasses or goggles

Skin Protection

None under normal conditions when using product unless prolonged handling is anticipated. Impervious protective clothing, including gloves, boots, and a lab coat, apron or coveralls, as appropriate, when cleaning up spilled product. Wash hands and face before eating, drinking or using tobacco products.

Respiratory Protection

None under normal conditions when using product. A particulate respirator (NIOSH t N95 or better filters) may be worn during the cleanup of spilled materials.

General Hygiene

Use product outdoors away from combustible products. For cleanup of spilled materials, emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous materials.

9. Physical and Chemical Properties

Appearance (color, physical form, shape):	Yellow to grey powder		
pH:	Not available	Melting Point:	Not available
Boiling Point / Range:	Not applicable	Freezing Point:	Not applicable
Vapor Pressure:	Not applicable	Specific Gravity:	Not applicable
Odor:	No data available	Odor Threshold:	No data available
Flammability:	No data available	Flammability Limits:	No data available
Partition Coefficient:	No data available	Viscosity:	No data available
Auto Ignition Temperature:	360°F	Decomposition Temperature:	No data available
Solubility:	Not available	Evaporation Rate:	Not applicable
Vapor Density:	Not applicable	Flash Point:	Not available
Relative Density:	No data available		

10. Stability and Reactivity

Chemical Stability	Stable	Reactivity:	No information available	Possibility of Hazardous Reactions	Hazardous polymerization will not occur
Conditions to Avoid	Combustible materials, heat, flames, sparks and other sources of ignition. Moisture.	Incompatible Materials	Strong acids, strong fuels, ammonia salts, and strong bases. Strong oxidizers; chlorate salts.	Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.

11. Toxicology Information

Ingredient acute toxicity information

Ingredient	Oral LD50	skin LD50	LC50
Strontium Nitrate	Rat: 2750 mg/kg	No information found	No information found
Sulfur	Rat: >2000 mg/kg	Rat: >2000 mg/kg	Rat: 79.23 mg/L 4hr
Potassium Nitrate	Rat: 3750 mg/kg	No information found	No information found
Paraffinic Oil	Rat: >2000 mg/kg	Rat: >2000 mg/kg	No information found
Potassium Chlorate	Rat: 1870 mg/kg	Rabbit: > 2000 mg/kg	No information found
Waxy sawdust	Rat: > 5000 mg/kg	not stated	not stated
Polyvinyl Chloride	Rat: > 5000 mg/kg	no known hazardous components above regulatory thresholds in this product.	no known hazardous components above regulatory thresholds in this product.
Shellac	Rat: 10000 mg/kg	No information found	No information found
Charcoal	Rat: 15400 mg/kg	Rabbit: 3 g/kg	No information found

Product toxicological information

Acute Toxicity	Not classified – <i>Acute Toxicity Estimate yields oral LD₅₀ over 5000 mg/kg bw</i>
Skin Irritation / Corrosion	Category 2 – <i>over 10% of ingredients classified as a Category 2</i>
Serious Eye Damage / Irritation	Category 2a – <i>over 10% of ingredients classified as a Category 2a</i>
Respiratory / Skin Sensitization	Not classified (Based on available data, the classification criteria are not met)
Germ Cell Mutagen	Not classified (Based on available data, the classification criteria are not met)
Carcinogen	Not classified (Based on available data, the classification criteria are not met)
Reproductive Toxicity	Not classified (Based on available data, the classification criteria are not met)
STOT – single exposure	Category 3 – <i>respiratory over 10% of ingredients classified as a Category 3 respiratory STOT hazard</i>
STOT – repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration Hazard	Not classified (Based on available data, the classification criteria are not met)

Likely routes of exposure

Skin, ingestion, inhalation

Symptoms related to the physical, chemical and toxicological characteristics

Contents irritating to eyes due to chemical and physical properties of the mixture. Ingestion of contents may cause gastrointestinal irritation with nausea, vomiting and diarrhea. Individuals with known allergies to sulfide drugs may also have allergic reactions to elemental sulfur.

Delayed and immediate effects and chronic effects from short and long term exposure

Inhalation of contents or smoke from burning flare will cause irritation to the lungs and mucus membrane. Prolonged or repeated skin contact with contents may cause dermatitis.

Interactive effects

No information found

12. Ecological Information

Ingredient toxicity / persistence / degradability / bioaccumulation / mobility in soil and water

Aquatic Toxicity	Strontium Nitrate: <i>Acute toxicity - Fishes, Carassius auratus, LC100, 9,615 mg/l; Chronic toxicity - Fishes, Gasterosteus aculeatus, LC100, 2,912 mg/l</i> Sulfur: <i>Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - > 180 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - > 5,000 mg/l - 48 h</i> Potassium Chlorate: <i>fish: LC50 oncorhynchus mykiss (rainbow trout) 1750 mg/l - 96 hr, EC50 daphnia magna (water flea) 1093 mg/l 24 hr</i> Paraffinic Oil: <i>Oil Mist, Mineral Lepomis macrochirus (LC50) 96 hour(s) >100 mg/l Oncorhynchus mykiss (LC50) 96 hour(s) >100 mg/l</i> Potassium Nitrate: <i>fish: Guppy (Poecilia Reticulata) LC50 180 mg/L (96 h); zooplankton: Daphnia magna LC50 490mg/l - 48hr</i>
Persistence / Degradability	Potassium Nitrate: Soluble in water Persistence is unlikely based on information available.
Bioaccumulation / Accumulation	No information found
Mobility in Environmental Media	Strontium Nitrate: <i>Water:: considerable solubility and mobility; Soil/sediments non-significant adsorption</i> Potassium Nitrate: <i>Will likely be mobile in the environment due to its water solubility.</i>
Other adverse effects	No information found

13. Disposal Considerations

Disposal methods

Flares should be allowed to burn to completion. Partially burned or unburned flares, spilled contents, and ash from burned flares should be disposed of in accordance with federal, state, and local requirements. Consult factory for any additional disposal concerns.

14. Transportation Information

Description	ID Number	shipping name	hazard class	packing group	EX Number	Reportable Quantities	Shipping method
United States							
Bulk flares	NA1325	Fusee	4.1	II	Not applicable	none	Ground only
Retail packaged flares	UN3178	ORM-D / Limited Quantity	Not applicable	Not applicable	Not applicable	none	Ground only
International / Air							
Bulk flares	UN0373	Signal devices, hand	1.4S	II	EX-1992090001	none	Air / ground

Marine Pollutant: no

Special precautions for user: No information available

15. Regulatory Information

US Regulations		TSCA	CERCLA	CWA	CAA	SARA 313	SARA 302	Acute	Chronic	Fire	Reactivity	Pressure
Strontium Nitrate		yes	no	no	no	no	no	yes	no	no	yes	no
Sulfur		yes	no	no	no	no	no	yes	no	yes	no	no
Potassium Nitrate		yes	no	no	no	yes	no	no	no	no	yes	no
Paraffinic Oil		yes	no	no	no	no	no	no	no	no	no	no
Potassium Chlorate		yes	no	no	no	no	no	yes	no	no	yes	no
Waxy sawdust		yes	no	no	no	no	no	no	no	no	no	no
Polyvinyl Chloride		yes	no	no	no	no	no	yes	no	no	no	no
Shellac Mixture		yes	no	no	no	yes	no	unknown	unknown	unknown	unknown	unknown
Charcoal		yes	no	no	no	no	no	no	no	no	no	no
US States		Prop 65	NJ	PA	Canada		WHMIS		DSL	Europe		wgk
Strontium Nitrate	no	1743	no				C Oxidizing materials D1B Toxic materials D2B Toxic materials		yes			2
Sulfur	no	1757	yes				B4 Flammable solid D2B Toxic materials		yes			1 / nwg
Potassium Nitrate	no	1574	yes				C Oxidizing materials		yes			1
Paraffinic Oil	no	1437	no				No results		yes			not listed
Potassium Chlorate	yes	1560	yes				C Oxidizing materials D1B Toxic materials		yes			2
Waxy sawdust	yes	no	no				No results		yes			not listed
Polyvinyl Chloride	no	3622	no				No results		yes			not listed
Shellac Mixture	no	no	no				No results		unknown			not listed
Charcoal	yes	yes	yes				D2A Very toxic materials D2B Toxic materials		yes			nwg

16. Other Information

Revision Information: May 2015

NFPA Rating		HMIS Rating	
Flammability	1	Flammability	1
Health	2	Health	2
Reactivity	1	Physical Hazard	1

Key / Legend:

HMIS: hazardous material identification system
NFPA: national fire protection association
CAS: Chemical Abstracts Service number
EINECS: European inventory of existing chemical substances
OSHA PEL: occupational safety and health administration permissible exposure limit
NIOSH TLV: national institute of occupational safety and health Threshold Limit Value
TSCA: toxic substance control act - US

CERCLA: comprehensive environmental response, compensation and liability act - US
CWA: clean water act - US
CAA: clean air act - US
SARA: superfund amendments and reauthorization act - US
PROP 65: California's Proposition 65 list
WHMIS: workplace hazardous materials information system - Canada
DSL: Domestic Substances List - Canada
WGK: water hazard classes - Germany

Legal Statement

This information is accurate to the best knowledge Orion Safety Products. Orion Safety Products makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability or fitness for a particular purpose, with respect to the information set forth herein or the product to which the information refers. Accordingly, Orion Safety Products will not be responsible for damages resulting from use of or reliance upon this information. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

MATERIAL SAFETY DATA SHEET

January, 2009

TOWELETTE, PRE-MOISTENED, LEMON-SCENTED

Section I: Identification

Identity (As used on Label and List):

MOIST TOWELETTE WITH LEMON FRAGRANCE

Ingredients: 98.8% water

1% lemon fragrance

.2% soap

Physical Description: A pre-moistened towelette made with virgin paper, individually packaged in a moisture-proof pouch.

Manufacturer's Name:

SANFACON VIRGINIA, INC.

Address:

PO Box 600

18097 US Hwy 501

Brookneal, VA 24528

Section II: Hazardous Ingredients

Hazardous components: N/A

...2

Section III: Physical/Chemical Characteristics

Boiling Point:	N/A	Specific Gravity:	+/- 1.0
Vapour Pressure:	N/A	Melting Point:	N/A
Vapour Density:	N/A	Evaporation Rate:	N/A

Solubility in Water: Complete
Appearance and Colour: Clear liquid with lemon scent

Section IV: Fire and Explosion Hazard Data

Flash Point:	N/A	Flammable Limits:	N/A
Extinguishing Media:	N/A		

Special Fire Fighting Procedures: NONE
Unusual Fire & Explosion Hazards: NONE

Section V: Health Hazard Data

Routes of Entry:	Inhalation:	N/A
	Skin:	Topically applied
	Ingestion:	N/A

Health Hazards: N/A
Carcinogenicity: N/A

Information/Emergency: Monday through Friday, 8 a.m. to 5 p.m., (800) 463-5591
or contact the local Poison Control Centre.

Caution: If accidentally splashed in eyes, rinse thoroughly with cold water; may
cause discomfort. No need for first aid if swallowed or inhaled.

Signs and Symptoms of Exposure:
SAFE AS A TOPICAL SKIN CLEANSER

...3

Disclaimer:

Sanfacon acknowledges that the information contained herein is assumed accurate and complete, and illustrates the product to the best of their knowledge. No warranty, expressed or implied, is made and Sanfacon assumes no legal responsibility or liability resulting from its use.



Telephone: (845) 365-8200 * **Website:** www.dynarex.com
Toll Free: (888) DYNAREX * **Website:** www.thcnet.com
Fax: (845) 365-8201

Reorder # 1408

Reviewed on 4/11/13

Material Safety Data Sheet

SECTION 1. Product and Company Identification

Product/Trade Name: Sting & Bite Pad
Manufacturer's Name: Dynarex Corporation
Manufacturer's Address: 10 Glenshaw Street
 Orangeburg, NY 10941
Emergency or Information Phone No.: 888-DYNAREX or 845-365-8201
 At other times, contact the local Poison Control Center

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS				
HAZARDOUS COMPONENTS (Specific Chemical Identity: Common Names)	CAS #'s	%	Weight/pad	Potential Health Effects
Isopropyl alcohol	67-63-0	70 (v/v)	0.4±0.05g	Skin contact, Eye contact
Benzocaine	94-09-7	6 (w/v)	0.034±0.03g	Skin contact, Eye contact
SECTION 3 - HAZARDS IDENTIFICATION (Potential Health Effects)				
EYE:	Irritating, and will injure eye tissue if not removed promptly.			
SKIN:	·Low order of toxicity ·Frequent or prolonged contact may result in defatting and dry skin, leading to discomfort and dermatitis .			
INHALATION (BREATHING):	Vapor concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects			
INGESTION (SWALLOWING):	Small amount of liquid aspirated into the respiratory system during ingestion or from vomiting may cause man pneumonia or pulmonary edema.			
SIGNS AND SYMPTOMS:	Take by mouth may cause nausea, vomiting, stomach pains, diarrhea, coma or death			
CANCER:	N/A			
TARGET ORGANS:	N/A			
DEVELOPMENTAL:	N/A			
OTHER COMMENTS:	N/A			
PRE-EXISTING MEDICAL CONDITIONS:	N/A			

SECTION 4 - FIRST AID MEASURES	
Eyes:	Immediately flush eyes with large amount of water for at least 15 minutes. Get prompt medical attention.
SKIN:	·Once contact with the wound, wash immediately with plenty of water
INHALATION (BREATHING):	·N/A



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Fax: (845) 365-8201

INGESTION (SWALLOWING):	·If swallowed, induce vomiting. Have rest. Get prompt medical attention.
NOTE TO PHYSICIANS:	·Keep victim warm and quiet.
Protection of First-aiders	·Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
SECTION 5 - FIREFIGHTING MEASURES	
FLAMMABLE PROPERTIES:	Flash Point: 12 degree Celsius OSHA Flammability Class: 3 LEL/UEL: 2.0/12.7(vol%) Auto ignition Temperature: 399 degree Celsius
UNUSUAL FIRE & EXPLOSION HAZARDS:	N/A
EXTINGUISHING MEDIA:	Water spray, foam dry chemical or carbon dioxide
FIREFIGHTING INSTRUCTIONS:	·Use water spray to cool fire exposed surfaces and to protect personnel. Shut off fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect men inside the environment. ·Either allow fire to burn under controlled conditions or extinguish with alcohol type foam or dry chemicals. Try to cover liquid spills with foam. ·Spill fires may be extinguished by covering with large amounts of water.
SECTION 6- ACCIDENTAL RELEASE MEASURES	
IF SPILLED/RELEASED:	·Eliminate sources of ignition.
SECTION 7- HANDLING AND STORAGE	
HANDLING & STORAGE:	·Keep container closed. Handle containers with care. Store in a cool, well-ventilated place away from incompatible materials. ·Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. ·This material is not a static accumulator but use proper bonding and/or grounding procedures. ·Do not add pressure, cut, heat, or weld containers. Empty product containers may contain product residue. ·Do not reuse empty containers without commercial cleaning or reconditioning.
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION	
ENGINEERING CONTROLS:	The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, or heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limited. Use explosion-proof ventilation equipment.
RESPIRATORY PROTECTION:	Where concentrations in air may exceed the limits given in this section, it is recommended to use a half face filter mask to protect from overexposure by inhalation. Suitable filter material depends on the amount and type of chemicals being handled in the workplace, but filter material of type "A" or similar may be considered for use.
SKIN PROTECTION:	Protect the wound position when using this product.
EYE/FACE PROTECTION:	When handling this product, it is recommended to wear splash resistant goggles.
OTHER PROTECTIVE EQUIPMENT:	No smoking, keep good health habits
SECTION 9 - PHYSICAL / CHEMICAL PROPERTIES	



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Fax: (845) 365-8201

Note: Unless otherwise stated, values are determined at 20 degrees Celsius (68 degrees Fahrenheit) and 760 mm Hg (1 atm)	
FLASH POINT:	12 degree Celsius
FLAMMABLE/EXPLOSIVE LIMITS (%):	LEL/UEL: 2.0/12.7 vol %
AUTO IGNITION TEMPERATURE:	399 degree Celsius
APPEARANCE:	Clear transparent
PHYSICAL STATE:	Liquid
ODOR:	Alcohol odor
pH:	Not available
VAPOR PRESSURE (mm Hg):	33 mmHg
BOILING POINT:	80.3 Between 82 and 83 degree Celsius
FREEZING/MELTING POINT:	-88.5 degree Celsius
SOLUBILITY IN WATER:	100 wt%
SPECIFIC GRAVITY:	0.785
EVAPORATION RATE (nBuAc=1):	2.5
SECTION 10 - STABILITY & REACTIVITY	
CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	N/A
INCOMPATIBLE MATERIALS:	Strong Oxidizing agents, acids, acid anhydride, halogen
HAZARDOUS DECOMPOSITION PRODUCTS:	N/A
HAZARDOUS POLYMERIZATION:	N/A
SECTION 11 - TOXICOLOGICAL INFORMATION	
Oral (rat) LD50: 5045 mg/kg Skin (rabbit): 12800 mg/kg	
SECTION 12 – ECOLOGICAL INFORMATION	
ENVIRONMENTAL MOBILITY · This product is water soluble and is expected to remain primarily in water. ENVIRONMENTAL DEGRADABILITY · This product biodegrades rapidly and is “readily” biodegradable according to OECD guidelines. · This substance is expected to be removed in a waste water treatment facility. ECOTOXICITY AND BIOACCUMULATION · Low acute toxicity to aquatic organisms is expected.	
SECTION 13 - DISPOSABLE CONSIDERATIONS	
The following advice only applies to the product as supplied. Combination with other material may well indicate another route or disposal. If not sure, contact the local Authorities. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with national and local regulations. This product is NOT suitable for disposal by either landfill or via municipal drainage system, natural streams or rivers. This product is ash-less and can be burned directly in appropriate equipment.	
SECTION 14 - TRANSPORT INFORMATION	
Dangerous goods code:32064 UN code:1219 Packaging groups:052	
SECTION 15 - REGULATORY INFORMATION	
COMPONENT	



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Fax: (845) 365-8201

GOVERNING DIRECTIVE:	Dangerous Substances Directive 67/548/EC, as modified.
<p>Warning: S07/09 Keep container tightly closed and in a well ventilated place S16 Keep away from sources of ignition-No Smoking S24/25 Avoid contact with wound and eyes . S26 In case of contact with eyes, flush immediately with plenty of water and seek medical advice S33 Take precautionary measures against static discharges S43B In case of fire, use sand, earth, chemical powder or alcohol type foam</p>	

SECTION 16. Other Information

Disclaimer:

The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use. This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)

Date Prepared: March 2011



Telephone: (845) 365-8200 * Website: www.dynarex.com
Toll Free: (888) DYNAREX * Website: www.thcnet.com
Fax: (845) 365-8201

MATERIAL SAFETY DATA SHEET

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Dtd. 4/4/13

I. PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: ALCOHOL PREP/SWAB – **Reorder #'s AM-20200, 1103, 1104, 1106, 1113, 1114, 1116 1203, 1204.**

HAZARD RATING (NFPA)

HEALTH: 1

FLAMMABILITY: 3

REACTIVITY: 0

SPECIFIC: NONE

EMERGENCY OR INFORMATION TELEPHONE NO: 845-365-8200 (M-F DAYTIME) AT OTHER TIMES, CONTACT THE LOCAL POISON CONTROL CENTER

CHEMICAL NAME: ISOPROPYL ALCOHOL

II. HAZARDOUS INGREDIENTS PER 29 CFR 1910.1200

Hazardous Ingredients	%	ACGIH TLV	CAS NUMBER
ISOPROPYL ALCOHOL	70	400 ppm	67-63-0

III. PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: TOWELETTE/PAD/SWAB SATURATED WITH CLEAR LIQUID WITH ALCOHOL ODOR..

BOILING POINT: N/A

FLASH POINT: 78°F

VAPOR DENSITY N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O = 1):N/A

IV. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 78°F TAG CLOSED CUP : LEL: 2.0 UEL: 12.0

EXTINGUISHING MEDIA: DRY CHEMICAL OR ALCOHOL TYPE FOAM, CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: HANDLE AS FLAMMABLE LIQUID. USE RESPIRATORY PROTECTION FOR

FIRE FIGHTING PERSONNEL

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLASS 3 FLAMMABILITY

V. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID NONE

INCOMPATIBILITY: NONE

HAZARDOUS DECOMPOSITION OR BYPRODUCT: NONE

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

Executive Headquarters: Ten Glenshaw Street, Orangeburg, NY 10962



Telephone: (845) 365-8200 * **Website:** www.dynarex.com
Toll Free: (888) DYNAREX * **Website:** www.thcnet.com
Fax: (845) 365-8201

ALCOHOL PREP/SWAB

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VI. HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN: IF RASH APPEARS, DISCONTINUE USE

EYES: WILL CAUSE EYE STING IF SPLASHED

INHALATION: NONE

INGESTION NOT A NORMAL ROUTE OF ENTRY

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT: FLUSH WITH COLD WATER FOR 15 MINUTES

INHALATION: REMOVE TO FRESH AIR

INGESTION: INDUCE VOMITING. CALL PHYSICIAN

TARGET ORGANS: N/A

VII. SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: ELIMINATE ALL SOURCES OF IGNITION

WASTE DISPOSAL METHOD: FLUSH SPILLS WITH WATER. HANDLE AS FLAMMABLE LIQUID. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.

HANDLING AND STORAGE: STORE AWAY FROM HEAT AND SOURCES OF IGNITION

VIII. CONTROL MEASURES/PROTECTION

RESPIRATION: USE IF PERMISSABLE EXPOSURE LEVEL IS EXCEEDED WHEN HANDLING BULK LIQUID

VENTILATION: RECOMMENDED

PROTECTIVE GLOVES: NONE REQUIRED

EYE PROTECTION: ONLY IF SPLASHING IS EXPECTED

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: DON'T ALLOW LARGE QUANTITIES OF WASTE TO ACCUMULATE

IX. TRANSPORT/SHIPPING

DOT SHIPPING NAME: N/A

TECHNICAL SHIPPING NAME: N/A

DOT SHIPPING CLASSIFICATION: DOT-NOT REGULATED

DOT ID NO.: N/A

DOT LABEL REQUIREMENTS: N/A

UN/NA NUMBER REGULATIONS: N/A

REPORTABLE QUANTITY: N/A

X. DISCLAIMER

THE INFORMATION FURNISHED HEREIN IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST DATA CURRENTLY AVAILABLE TO US. NO WARRANTY, EXPRESSED OR IMPLIED IS MADE AND DYNAREX CORPORATION ASSUMES NO LEGAL RESPONSIBILITY OR LIABILITY RESULTING FROM ITS USE.



MATERIAL SAFETY DATA SHEET

First Aid Burn Cream

MSDS No.:	007
Revision No.:	5
Effective Date:	12/27/2010

PRODUCT AND COMPANY INFORMATION – SECTION 1

Manufacturer/Distributor	Water-Jel Technologies
	50 Broad Street
	Carlstadt, NJ 07072
	201-507-8300
	800-275-3433
Product Name:	First Aid Burn Cream
Synonyms:	Topical Cream, Burn Cream
Intended Use:	First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes, and burns. For external use only.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT:

In the continental U.S.: 800-275-3433
For additional information: 201-507-8300

COMPOSITION INFORMATION – SECTION 2

In accordance with 29 CFR § 1910.1200 (l) (1) the specific chemical identity of this product is being withheld as a trade secret.

Chemical Name:	Cetyl Alcohol	
Percent:	Proprietary	
CAS Number:	36653-82-4	
Exposure Limits:	None Established	
Chemical Name:	Germaben II	
Percent:	Proprietary	
CAS Number:	No information available.	
Exposure Limits:	None Established	
Chemical Name:	Glycerin	
Percent:	Proprietary	
CAS Number:	56-81-5	
Exposure Limits:	ACGIH TWA (Glycerin Mist):	OSHA PEL (Glycerin Mist):
	Total Dust: 15 mg/m ³	Total Dust: 10 mg/m ³
	Respirable Fraction: 5 mg/m ³	Respirable Fraction: 5 mg/m ³
Chemical Name:	Glyceryl Monostearate SE (Glyceryl Stearate)	
Percent:	Proprietary	
CAS Number:	31566-31-3	
Exposure Limits:	TWA (Stearates): 10 mg/m ³	

MATERIAL SAFETY DATA SHEET

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Chemical Name:	White Mineral Oil
Percent:	Proprietary
CAS Number:	8042-47-5
Exposure Limits:	None Established
Chemical Name:	Peg 100
Percent:	Proprietary
CAS Number:	25322-68-3
Exposure Limits:	None Established
Chemical Name:	Stearic Acid
Percent:	Proprietary
CAS Number:	57-11-4
Exposure Limits:	None Established

HAZARDS IDENTIFICATION – SECTION 3

EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT	May cause irritation to eyes and may cause irritation of the digestive tract when ingested.
PRIMARY ROUTES OF EXPOSURE	Eye contact, Ingestion
POTENTIAL HEALTH EFFECTS:	
Eyes:	May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects.
Skin:	No adverse conditions expected.
Inhalation:	Unlikely route of exposure.
Ingestion:	May cause irritation of the digestive tract.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	No information available.
CHRONIC HEALTH EFFECTS:	
Eyes:	Flush eyes with clear running water for a minimum of fifteen (15) minutes while holding eyelids open; if irritation persists, seek medical attention.
Skin:	No adverse conditions expected.
Inhalation:	Unlikely route of exposure.
Ingestion:	Rinse out mouth and drink lots of water. In case of unusual symptoms, seek medical attention and show physician the container details.



MATERIAL SAFETY DATA SHEET

First Aid Burn Cream	MSDS No.:	007
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FIRST AID MEASURES – SECTION 4	
SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE	
FIRST AID MEASURES:	
Eyes:	Flush immediately with large amounts of water. If redness or irritation persists, contact a physician.
Skin:	No adverse conditions expected.
Inhalation:	Unlikely route of exposure.
Ingestion:	Contact a physician immediately.
Instructions for Physician:	Available data does not identify any conditions.

FIRE FIGHTING MEASURES – SECTION 5			
NFPA Classification			
Health	Fire	Reactivity	Other
1	0	0	N/A
FLAMMABILITY PROPERTIES			
Flash Point:	N/A	Method:	N/A
Flammability Limits: (in air % by volume)	LEL:	N/A	UEL: N/A
Autoignition Temperature:			
N/A			
Hazardous Combustion Products:			
Carbon Monoxide, Carbon Dioxide			
Extinguishing Media:			
Use extinguishing media appropriate for the surrounding fire. Use water spray, foam or dry chemical.			
Prohibited Extinguishing Media:			
In fires involving large quantities of this product, the use of large streams of water should be avoided.			
Firefighting Instructions:			
Use self-contained breathing apparatus when fighting fires that involve this material.			
Unusual Fire and Explosion Hazards:			
Carbon monoxide and carbon dioxide may be generated.			



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ACCIDENTAL RELEASE MEASURES – SECTION 6

Environmental Precautions:

No information available.

Cleanup Methods:

Small spills: Spills should be collected with approved inert absorbent for disposal.

Large spills: Spills should be collected with approved absorbent for disposal.

HANDLING & STORAGE – SECTION 7

Handling:	Keep this and other chemicals out of reach of children.
Storage:	Do not store or mix with strong acids or oxidizers.
Specific Uses:	First aid to help prevent infection and for temporary relief of pain in minor cuts, scrapes and burns. For external use only.

EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8

EXPOSURE CONTROLS:

Exposure Limits Values:

	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Stearates (Glyceryl Stearate)	Not Established	10 mg/m ³
Glycerin Mist (Glycerin)	<u>Total Dust:</u> 15 mg/m ³	<u>Total Dust:</u> 10 mg/m ³
	<u>Respirable Fraction:</u> 5 mg/m ³	<u>Respirable Fraction:</u> 5 mg/m ³

Engineering Controls:

Local Exhaust is recommended.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection:

None required under normal conditions.

Hand Protection:

None required under normal conditions.

Eye/Face Protection:

Eye protection, as necessary to prevent excessive contact.

Skin Protection:

None required under normal conditions.

General Hygiene Considerations:

Practice safe work habits. Use according to label instructions.



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Other Protective Equipment:

Eye wash stations should be nearby and ready for use.

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

PRODUCT:	First Aid Burn Cream
General Information:	
Appearance	White homogeneous cream
Odor	Slightly fatty odor
Important Health, Safety, and Environmental Information:	
Boiling Point	135°C 275°F
Melting Point	60°C (140°F)
Flash Point	N/A
Explosive Properties	No information available.
Oxidizing Properties	No information available.
Specific Gravity ($H_2O = 1$)	0.81
Water Solubility	Miscible
Partition Coefficient (<i>n-octanol/water</i>)	No information available.
Viscosity	No information available.
Vapor Pressure (mm Hg)	No information available.
Vapor Density (Air = 1)	No information available.
Evaporation Rate	0.07
% Volatile (By Volume @ 68°F)	65

STABILITY & REACTIVITY – SECTION 10

Stability:

This material is stable under normal conditions.

Conditions to avoid:

Extreme heat

Materials to avoid:

Strong oxidants, Strong Acids

Hazardous Decomposition Products:

Carbon Monoxide, Carbon Dioxide



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Hazardous Polymerization:

Will not occur.

TOXICOLOGICAL INFORMATION – SECTION 11

<u>Type of Test</u>	<u>Route of Exposure</u>	<u>Effects</u>	<u>Species Observed</u>	<u>Dose Data</u>
LD ₅₀ – (Cetyl Alcohol)	Oral	Death	Rodent - Rat	5 mg/kg
LD ₅₀ – (Glycerin)	Oral	Death	Rodent - Rat	12600 mg/kg
LD ₅₀ – (Glyceril Stearate)	Intraperitoneal	Death	Rodent - Mouse	200 mg/kg
LD ₅₀ – (Mineral Oil)	Oral	Death	Rodent - Mouse	22 gm/kg
LD ₅₀ – (Stearic Acid)	Intravenous	Death	Rodent - Rat	21500 ug/kg

ECOLOGICAL INFORMATION – SECTION 12

Ecotoxicity:

No information available.

Mobility:

No information available.

Persistence and Degradability:

No information available.

Bio accumulative Potential:

No information available.

DISPOSAL CONSIDERATION – SECTION 13

Dispose of in accordance with Local, State, and Federal regulations.

TRANSPORT INFORMATION – SECTION 14

DOT CLASSIFICATION:

UN Number:

Class:

Not Regulated for Domestic Transport.



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Proper Shipping Name:	Not regulated for Domestic Transport.
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IATA CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IMDG CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

REGULATORY INFORMATION – SECTION 15	
<u>US REGULATIONS</u>	
ACGIH	<u>TWA (Glycerin Mist):</u> <u>Total Dust:</u> 15 mg/m ³ <u>Respirable Fraction:</u> 5 mg/m ³ <u>TWA (Stearates):</u> 10 mg/m ³
CAA Section 112	Not Listed
CERCLA	Not Listed
IARC	Not Listed
NTP	Not Listed
OSHA	<u>OSHA PEL (Glycerin Mist):</u> <u>Total Dust:</u> 10 mg/m ³ <u>Respirable Fraction:</u> 5 mg/m ³
SARA Title III	Not Listed



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TSCA	Not Listed
STATE REGULATIONS	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian WHMIS	Not Listed

To the best of our knowledge, the information contained herein is accurate. However, neither Water-Jel Technologies, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Safety Data Sheet

Printing date 12.03.2010

Revision: 12.03.2010

1 Identification of the substance/preparation and of the company/undertaking· **Product details**· **Trade name:** liquid in glow stick and glow cup· **Registration number:** *Not available*· **Application of the substance / the preparation:** *Chemiluminescer*· **Manufacturer/Supplier:**

XIAMEN LONG AFTERGLOW CO., LTD

NO.1043, TONG JI ZHONG ROAD, TONG AN AREA, XIAMEN, FUJIAN PROVINCE, CHINA

TEL : +86-592-3675699


FAX: +86-592-3675400

· **Further information obtainable from:** XIAMEN LONG AFTERGLOW CO., LTD· **Information in case of emergency:**

Tina

MP: +86-13600951446

· **Email:** sales@glo-novelty.com· **Reference Number:** GZHGR2010004483; GZI003017899/CHEM**2 Hazards identification**· **Hazard description:** *Not Applicable*· **Information concerning particular hazards for human and environment:***The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*· **Classification system:***The classification is according to the latest editions of the EU-lists, and extended by company and literature data.***3 Composition/information on ingredients**· **Chemical characterization**· **Description:***Mixture of the substances listed below with nonhazardous additions.**For the wording of listed risk phrases refer to section 16.*· **Dangerous components:**

CAS: 10075-85-1 EINECS: 233-210-8	9,10-bis(phenylvinyl)anthracene	 Xi; R 36/37/38	0,3%
--------------------------------------	---------------------------------	--	------

· **Non-dangerous components:**

CAS: 136-60-7 EINECS: 205-252-7	butyl benzoate		85,6%
CAS: 75203-51-9 EINECS: 278-124-1	Bis(2,3,5-trichloro-6-((pentyloxy)carbonyl)phenyl) oxalate		14,1%

· **Remark:***Bis(2,3,5-trichloro-6-((pentyloxy)carbonyl)phenyl) oxalate (CAS No.: 75203-51-9)**Synonym: CPPO**9,10-bis(phenylvinyl)anthracene (CAS No.: 10075-85-1)**Note: Fluorescer***4 First aid measures**· **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*· **After skin contact:** *Rinse with water.*· **After eye contact:** *Rinse opened eye for several minutes under running water.*· **After swallowing:** *If symptoms persist consult doctor.*

EU

(Contd. on page 2)

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Trade name: liquid in glow stick and glow cup

(Contd. of page 1)

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂ powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** See Section 7 for information on safe handling.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs:** Not available
- **PNECs:** Not available
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

EU

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Trade name: liquid in glow stick and glow cup

(Contd. of page 2)

9 Physical and chemical properties· **General Information**

Form:	Liquid
Colour:	Transparent
Odour:	Odourless

· **Change in condition**

Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available

· Flash point:	Not available
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· Flammability (solid, gaseous):	Not available
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· Ignition temperature:	Not available
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· Self-igniting:	Product is not selfigniting.
-------------------------	------------------------------

· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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· **Explosion limits:**

Lower:	Not available
Upper:	Not available

· Oxidizing properties	Not available
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· Vapour pressure:	Not available
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· Density:	Not available
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· Relative density	Not available
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· Vapour density	Not available
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· Evaporation rate	Not available
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· Solubility in / Miscibility with water:	Not available
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· pH-value:	Not available
--------------------	---------------

· Segregation coefficient (n-octanol/water):	Not available.
---	----------------

· Viscosity:	
Dynamic:	Not available.

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
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· Materials to be avoided:	Not available
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· Dangerous reactions:	No dangerous reactions known.
-------------------------------	-------------------------------

· Dangerous decomposition products:	No dangerous decomposition products known.
--	--

11 Toxicological information· **Acute toxicity**· **LD/LC50 values relevant for classification:****136-60-7 butyl benzoate**

Oral	LD50	5140 mg/kg (rat)
Dermal	LD50	4000 mg/kg (rabbit)

· **Primary irritant effect**

· on the skin:	Irritating effect possible.
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· on the eye:	Irritating effect possible.
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· Sensitization:	Sensitization possible.
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Trade name: liquid in glow stick and glow cup

(Contd. of page 3)

· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

· **Toxicokinetics, metabolism and distribution:** Not available

· **Acute effects (acute toxicity, irritation and corrosivity):** Not available

· **Repeated dose toxicity:** Not available

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available

12 Ecological information

· **Information about elimination (persistence and degradability):** Not available

· **Behaviour in environmental systems**

· **Mobility and bioaccumulation potential:** Not available

· **Ecotoxicological effects**

· **Aquatic toxicity:** Not available

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **PBT assessments:** Not available

13 Disposal considerations

· **Product**

· **Recommendation:** Smaller quantities can be disposed of with household waste.

· **Uncleaned packaging**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Danger code (Kemler):** -

· **UN-Number:** -

· **Packaging group:** -

· **Hazard label:** -

· **Description of goods:** -

· **Limited quantities (LQ):** -

· **Transport category:** -

· **Maritime transport IMDG**

· **IMDG Class:** -

· **UN Number:** -

· **Label:** -

· **Packaging group:** -

· **EMS Number:** -

· **Marine pollutant:** Yes

· **Proper shipping name:** -

· **Air transport ICAO-TI and IATA-DGR**

· **ICAO/IATA Class:** -

· **UN/ID Number:** -

· **Label:** -

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Trade name: liquid in glow stick and glow cup

(Contd. of page 4)

- **Packaging group:** -
- **Proper shipping name:** -

15 Regulatory information· **Sara**· **Section 335(extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313(specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA(Toxic Substances Control Act):**

136-60-7 butyl benzoate

10075-85-1 9,10-bis(phenylvinyl)anthracene

· **Proposition 65**· **Chemical known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**· **EPA(Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC(International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP(National toxicology Program)**

None of the ingredients is listed.

· **TLV(Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca(National Institution for Occupational Safety & Health)**

None of the ingredients is listed.

· **OSHA-Ca(Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and 1272/2008/EC.

16 Other information· **Relevant R-phrases**

36/37/38 Irritating to eyes, respiratory system and skin.

The contents and format of this MSDS/SDS are in accordance with REGULATION(EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the

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Trade name: liquid in glow stick and glow cup

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information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

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End of document

EU

Safety Data Sheet

Printing date 12.03.2010

Revision: 12.03.2010

1 Identification of the substance/preparation and of the company/undertaking· **Product details**· **Trade name:** liquid in glow stick and glow cup· **Registration number:** *Not available*· **Application of the substance / the preparation:** *Activator*· **Manufacturer/Supplier:**

XIAMEN LONG AFTERGLOW CO., LTD

NO.1043, TONG JI ZHONG ROAD, TONG AN AREA, XIAMEN, FUJIAN PROVINCE, CHINA

TEL : +86-592-3675699




FAX: +86-592-3675400

· **Further information obtainable from:** *XIAMEN LONG AFTERGLOW CO., LTD*· **Information in case of emergency:**

Tina

MP: +86-13600951446

· **Email:** *sales@glo-novelty.com*· **Reference Number:** *GZHGR2010004482; GZ1003017898/CHEM***2 Hazards identification**· **Hazard description:** *Not Applicable*· **Information concerning particular hazards for human and environment:***The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*· **Classification system:***The classification is according to the latest editions of the EU-lists, and extended by company and literature data.***3 Composition/information on ingredients**· **Chemical characterization**· **Description:***Mixture of the substances listed below with nonhazardous additions.**For the wording of listed risk phrases refer to section 16.*· **Dangerous components:**

CAS: 7722-84-1 EINECS: 231-765-0 EU number: 008-003-00-9	hydrogen peroxide solution	 C,  Xn,  O; R 5-8-20/22-35	3,3%
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· **Non-dangerous components:**

CAS: 7732-18-5 EINECS: 231-791-2	pure water	9,2%
CAS: 131-11-3 EINECS: 205-011-6	dimethyl phthalate	87,5%

4 First aid measures· **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*· **After skin contact:** *Rinse with water.*· **After eye contact:** *Rinse opened eye for several minutes under running water.*· **After swallowing:** *If symptoms persist consult doctor.***5 Fire-fighting measures**· **Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.*

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- **Protective equipment:** Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** See Section 7 for information on safe handling.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

131-11-3 dimethyl phthalate

PEL (USA)	5 mg/m ³
REL (USA)	5 mg/m ³
TLV (USA)	5 mg/m ³

7722-84-1 hydrogen peroxide solution

PEL (USA)	1,4 mg/m ³ , 1 ppm
REL (USA)	1,4 mg/m ³ , 1 ppm
TLV (USA)	1,4 mg/m ³ , 1 ppm
MAK (Germany)	0,71 mg/m ³ , 0,5 ppm

- **DNELs:** Not available
- **PNECs:** Not available
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves:**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· General Information

Form:	Liquid
Colour:	Transparent
Odour:	Odourless

· Change in condition

Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available

Flash point:	Not available
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Flammability (solid, gaseous):	Not available
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Ignition temperature:	Not available
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Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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· Explosion limits:

Lower:	Not available
Upper:	Not available

Oxidizing properties	Not available
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Vapour pressure:	Not available
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Density:	Not available
Relative density	Not available
Vapour density	Not available
Evaporation rate	Not available

Solubility in / Miscibility with water:	Not available
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pH-value:	Not available
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Segregation coefficient (n-octanol/water):	Not available.
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· Viscosity:

Dynamic:	Not available.
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10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Materials to be avoided:** Not available

· **Dangerous reactions:** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity

· **LD/LC50 values relevant for classification:**

131-11-3 dimethyl phthalate

Oral	LD50	6800 mg/kg (rat)
Dermal	LD50	>10 mg/kg (rabbit)

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- **Primary irritant effect**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitization:** Sensitization possible.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

- **Toxicokinetics, metabolism and distribution:** Not available
- **Acute effects (acute toxicity, irritation and corrosivity):** Not available
- **Repeated dose toxicity:** Not available
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available

12 Ecological information

- **Information about elimination (persistence and degradability):** Not available
- **Behaviour in environmental systems**
- **Mobility and bioaccumulation potential:** Not available
- **Ecotoxicological effects**
- **Aquatic toxicity:** Not available
- **Additional ecological information:**
- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **PBT assessments:** Not available

13 Disposal considerations

- **Product**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Packaging group:** -
- **Hazard label:** -
- **Description of goods:** -
- **Limited quantities (LQ):** -
- **Transport category:** -

- **Maritime transport IMDG**
- **IMDG Class:** -
- **UN Number:** -
- **Label:** -
- **Packaging group:** -
- **EMS Number:** -
- **Marine pollutant:** Yes
- **Proper shipping name:** -

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- Air transport ICAO-TI and IATA-DGR
- ICAO/IATA Class: -
- UN/ID Number: -
- Label: -
- Packaging group: -
- Proper shipping name: -

15 Regulatory information

· Sara

· Section 335(extremely hazardous substances):

7722-84-1 hydrogen peroxide solution

· Section 313(specific toxic chemical listings):

131-11-3 dimethyl phthalate

· TSCA(Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemical known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenicity categories

· EPA(Environmental Protection Agency)

131-11-3 dimethyl phthalate

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· IARC(International Agency for Research on Cancer)

7722-84-1 hydrogen peroxide solution

3

· NTP(National toxicology Program)

None of the ingredients is listed.

· TLV(Threshold Limit Value established by ACGIH)

7722-84-1 hydrogen peroxide solution

A3

· NIOSH-Ca(National Institution for Occupational Safety & Health)

None of the ingredients is listed.

· OSHA-Ca(Occupational Safety & Health Administration)

None of the ingredients is listed.

· Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and 1272/2008/EC.

· Special labelling of certain preparations:

Safety data sheet available for professional user on request.

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16 Other information

· **Relevant R-phrases**

20/22 Harmful by inhalation and if swallowed.

35 Causes severe burns.

5 Heating may cause an explosion.

8 Contact with combustible material may cause fire.

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The contents and format of this MSDS/SDS are in according with REGULATION(EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

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EU



Telephone: (845) 365-8200 * Website: www.dynarex.com
Toll Free: (888) DYNAREX * Website: www.thcnet.com
Fax: (845) 365-8201

Reviewed on 4/11/13

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MATERIAL SAFETY DATA SHEET

Reorder # 1303 / 1331 (BZK Antiseptic Towelettes)

I. PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: BZK ANTISEPTIC TOWELETTE

HAZARD RATING (NFPA)

HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
SPECIFIC: NONE

Emergency or Information Phone No.: 845-365-8200 (M-F Daytime)

At other times, contact the local Poison Control Center.

CHEMICAL NAME: PROPRIETARY MIXTURE

II HAZARDOUS INGREDIENTS

PER 29 CFR 1910.1200

<u>Hazardous Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>CAS NUMBER</u>
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NONE. NO COMPONENTS OVER 1% OF FORMULATION

III PHYSICAL/CHEMICAL CHARACTERISTICS

COLOR/ODOR/APPEARANCE: TOWELETTE SATURATED WITH CLEAR, COLORLESS LIQUID.

BOILING POINT: N/A
FLASH POINT: NOT APPLICABLE
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O = 1): 1.0

IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT(Method Used): NOT APPLICABLE LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: ANY
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

V-REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: N/A
INCOMPATIBILITY: ANIONIC SURFACTANTS/SOAPS
HAZARDOUS DECOMPOSITION OR BYPRODUCT: NONE
POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: NONE

Executive Headquarters: Ten Glenshaw Street, Orangeburg, NY 10962



Telephone: (845) 365-8200 * **Website:** www.dynarex.com
Toll Free: (888) DYNAREX * **Website:** www.thcnet.com
Fax: (845) 365-8201

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VI-HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE:

SKIN NONE

EYES : MAY CAUSE DISCOMFORT

INHALATION: NONE

INGESTION NONE

EMERGENCY AND FIRST AID PROCEDURES:

SKIN CONTACT: DISCONTINUE USE IF RASH OR IRRITATION OCCURS

EYE CONTACT: FLUSH WITH COLD WATER IF SPLASHED IN EYES

INHALATION: NONE

INGESTION: NONE

TARGET ORGANS: NONE

VII-SPILL AND DISPOSAL PROCEDURE

SPILL CONTROL: RINSE INTO SEWER SYSTEM

WASTE DISPOSAL METHOD: FOLLOW LOCAL STATE AND FEDERAL REGULATIONS.

HANDLING AND STORAGE: NONE

VIII-CONTROL MEASURES/PROTECTION

RESPIRATION: NONE.

VENTILATION: NONE.

PROTECTIVE GLOVES: NONE

EYE PROTECTION: IF SPLASH POTENTIAL EXISTS

HYGIENIC PRACTICES: GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

OTHER: NONE

IX TRANSPORT/SHIPPING

DOT SHIPPING NAME:

TECHNICAL SHIPPING NAME:

DOT SHIPPING CLASSIFICATION: DOT Not Regulated

DOT ID NO.:

DOT LABEL REQUIREMENTS:

UN/NA NUMBER REGULATIONS:

REPORTABLE QUANTITY:

X DISCLAIMER

The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Dynarex Corp. assumes no legal responsibility or liability resulting from its use.

This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)

Executive Headquarters: Ten Glenshaw Street, Orangeburg, NY 10962

SAFETY MATCHES

Material Safety Data Sheet

(essentially similar to OSHA form 20)

Manufactured by: Atlas Match, LLC
1801 South Airport Circle
Euleless, Texas 76040

Phone: (817) 354-7474

Last revision Date: September 1, 2009

Product Information

Generic ID: Matches, Safety, Book or Strike on Box UN 1944
Brand Name: Atlas Book Matches, Advertising Book Matches and, various stock and special design names.
Hazard Class: Flammable Solid
Label Required: None (exception 49CFR 173.186c)

Hazardous Ingredients

<u>Ingredient</u>	<u>Percent</u>	<u>PEL</u>	<u>Hazard</u>
Potassium Chlorate	3.0%	NE	Strong Oxidizer
Red Phosphorous	<1.0%	NE	Flammable Solid

Physical Data

Appearance and Odor: Odorless manufactured article – wood or paper stem with matchhead.
Solubility in Water: Non-paper components are partially soluble
Specific Gravity: < 1.0 (water = 1.0)
Boiling Point: NA
Vapor Pressure and Density: NA
Percent Volatile: 0 to 7% moisture
Evaporation Rate: NA

Fire and Explosion Hazard Data

Flash Point: NA
Flammable Limits: NA
Auto-ignition Point: Approx. 375 degrees F, Stable at 200 degrees F for 8 hours
Extinguishing Media: Water or ABC dry chemical extinguisher

Special Fire Fighting Procedures

1. Do not open sealed packages until fire is controlled, in order to limit oxygen availability.
2. Smoke from significant fire involvement will contain Oxides of Carbon and Sulfur Dioxide which is hazardous (TLV 2ppm), use self contained breathing apparatus.

Unusual Fire/Explosion Hazards

Possibility of ignition if subjected to extreme shock or friction.

Health Hazard Data

Threshold Limit Value:	None known for product
Effects of overexposure:	Contact with product while functioning can result in thermal burn.
First Aid Procedure:	Burns should be immersed in cold water (unless area is extensive and 3 rd degree) to relieve pain. Cover with sterile dressing and seek medical attention if required.

Reactivity Data

Stability:	Stable
Conditions to avoid:	Avoid temperature over 200 degrees F and extreme shock.
Incompatibility:	Exposure to water or extreme dampness may effect performance; strong acids and phosphorus (red or yellow forms) may cause ignition.
Hazardous Polymerization:	Will not occur.

Spill or Leak Procedures

For spills including loose matches or broke cases

Keep unnecessary personnel, open flames (including flares), heat sources and sparks away from area. Wet spilled material thoroughly before attempting clean up. Place in non-flammable container and submerge in water for one hour before disposal.

For unopened cases

Evaluate each case for possible ignition, looking for signs of smoke or warmth. Do not open any case which is warm or smoking, wet it down and dispose of when cool. Full cases not affected can be considered safe to use.

Disposal

Dispose of matches after at least one hour submersion under water by incineration or landfilling in accordance with local, state and federal regulations.

California Users-Special Instructions:

The match tips in this product contain perchlorate materials. Special handling may apply in California.
See: www.dtsc.ca.gov/hazardouswaste/perchlorate.

Special Precautions

Protective equipment:	None normally required
Ventilation:	Natural is sufficient for normal use
Precautions for handling and storage:	Store in a cool, dry location. Avoid crushing or extreme mechanical shock.
Other precautions:	Close book before striking. Strike away from face and body.

The information accumulated herein is believed to be accurate, but is not warranted to be. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

NEW SPECIAL PERMIT

Application No.	Docket No.	Applicant	Regulation(s) Affected	Nature of Special Permit Thereof
14420-N	Garden State Tobacco d/ b/a H.J. Bailey Co., Neptune, NJ.	49 CFR 173.186(c)	To authorize the transportation in commerce of strike anywhere matches in non-DOT specifica- tion packages not exceeding 50 pounds each by private motor carrier not subject to the Haz- ardous Materials Regulations, except for mark- ing. (mode 1).