# SAFETY DATA SHEET



1. Identification
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1. Identification		
Product number	100009075	
Product identifier	<b>TERAND GLASS &amp; PROTECTIVE COATING</b>	i
Company information	CPC 1005 S. Westgate Drive Addison, IL 60101 United States	
Company phone	General Assistance 630-543-7600	
Emergency telephone US	1-866-836-8855	
Emergency telephone outside US	1-952-852-4646	
Version #	01	
Recommended use	coating	
Recommended restrictions	None known.	
2. Hazard(s) identification		
Physical hazards	Flammable aerosols	Cate
Health hazards	Not classified.	

# Health hazards Environmental hazards OSHA defined hazards

Label elements



Not classified.

Not classified.

Category 1

Signal word	Danger
Hazard statement	Extremely flammable aerosol.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.
Response	Wash hands after handling.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
Supplemental information	None.

# 3. Composition/information on ingredients

# Mixtures

Chemical name	Common name and synonyms	CAS number	%
Butane		106-97-8	2.5 - 10
Isopropyl Alcohol		67-63-0	2.5 - 10
Propane		74-98-6	1 - 2.5
Ammonium Hydroxide		1336-21-6	0.1 - 1
Other components below reportable	levels		90 - 100

#: This substance has workplace exposure limit(s).

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

#### 4. First-aid measures Inhalation If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Call a physician or Poison Control Center immediately. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist. Take off immediately all contaminated clothing. Remove and isolate contaminated clothing and Skin contact shoes. Immediately flush skin with plenty of water. Call a physician or Poison Control Center immediately. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse. Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO Eye contact NOT delay irrigation or attempt to remove the lens. Continue rinsing. Call a physician or Poison Control Center immediately. Ingestion IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Direct contact with eyes may cause temporary irritation. Most important symptoms/effects, acute and delayed Indication of immediate Provide general supportive measures and treat symptomatically. Symptoms may be delayed. medical attention and special treatment needed General information Immediate medical attention is required. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. 5. Fire-fighting measures Water fog. Foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may Suitable extinguishing media be used for small fires only. Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media Specific hazards arising from Contents under pressure. Pressurized container may explode when exposed to heat or flame. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient the chemical charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. Fire may produce irritating, corrosive and/or toxic gases. Firefighters must use standard protective equipment including flame retardant coat, helmet with Special protective equipment face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear full and precautions for firefighters protective clothing including self contained breathing apparatus. Structural firefighters protective clothing will only provide limited protection. In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective **Fire-fighting** equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in equipment/instructions enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Do not direct water at source of leak or safety devices as icing may occur. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue. **Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes. General fire hazards Extremely flammable aerosol.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Consider initial downwind evacuation for at least 500 meters (1/3 mile). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Remove all possible sources of ignition in the surrounding area. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Keep out of low areas. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. If possible, turn leaking containers so that gas escapes rather than liquid. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. This material and its container must be disposed of as hazardous waste.
Environmental precautions	Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
7. Handling and storage	
Precautions for safe handling	Will ignite if exposed to intensive heat or open air. Vapors may form explosive mixtures with air. May be ignited by open flame. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. Do not get this material on clothing. Use only in area provided with appropriate exhaust ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
	For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".
Conditions for safe storage,	Level 1 Aerosol.
including any incompatibilities	Keep locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. The pressure in sealed containers can increase under the influence of heat. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a well-ventilated place. Keep container dry. Refrigeration recommended. Keep away from food, drink and animal feedingstuffs. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

# 8. Exposure controls/personal protection

# 0

Components	hits for Air Contaminants Type			lue
Isopropyl Alcohol (CAS 67-63-0)	PEL		98	0 mg/m3
			40	0 ppm
Propane (CAS 74-98-6)	PEL			00 mg/m3
			10	00 ppm
US. ACGIH Threshold Li Components	imit Values Type		Va	lue
Butane (CAS 106-97-8)	STEL		10	00 ppm
Isopropyl Alcohol (CAS	STEL			0 ppm
67-63-0)				
	TWA		20	0 ppm
US. NIOSH: Pocket Guid				_
Components	Туре		Va	lue
Butane (CAS 106-97-8)	TWA			00 mg/m3
				0 ppm
Isopropyl Alcohol (CAS 67-63-0)	STEL		12	25 mg/m3
07-03-0)			50	0 ppm
	TWA			0 mg/m3
			40	0 ppm
Propane (CAS 74-98-6)	TWA		18	00 mg/m3
			10	00 ppm
Components Isopropyl Alcohol (CAS	40 mg/l	Acetone	Specimen Urine	Sampling Time *
67-63-0) * - For sampling details, p	lease see the source docu	iment.		
propriate engineering	Good general ventila	ation (typically 10	air changes per l	nour) should be used. Ventilation rates
trols	should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas.			
vidual protection measu	res, such as personal pr	otective equipme	ent	
Eye/face protection				lasses with side shields (or goggles). Av
	Wear appropriate chemical resistant gloves.			
Hand protection	Wear appropriate ch	nemical resistant o	loves.	
-	Wear appropriate ch	nemical resistant g	loves.	
Hand protection Skin protection Other	Avoid contact with th	ne skin. Wear che	mical protective	equipment that is specifically recommen protection.
Skin protection Other		ne skin. Wear che	mical protective	
Skin protection	Avoid contact with the by the manufacturer	ne skin. Wear che . It may provide lit are exceeded use	mical protective of the normal	
Skin protection Other Skin protection	Avoid contact with the by the manufacturer	ne skin. Wear che . It may provide lit are exceeded use or.	mical protective o tle or no thermal e NIOSH mechar	protection. ical filter / organic vapor cartridge or an
Skin protection Other Skin protection Respiratory protection	Avoid contact with th by the manufacturer If permissible levels air-supplied respirate Wear appropriate th	ne skin. Wear che . It may provide lit are exceeded use or. ermal protective c	mical protective of tle or no thermal e NIOSH mechar lothing, when ne	protection. ical filter / organic vapor cartridge or an

# 9. Physical and chemical properties

Appearance	Clear.	
Physical state	Gas.	
Product name: TERAND CLA		

Form	Aerosol.
Color	Colorless.
Odor	ammoniacal
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C) estimated
Flash point	-156.0 °F (-104.4 °C) Propellant estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	12 % estimated
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	60 psig @70F estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	797 °F (425 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	0.965 estimated

# 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Risk of explosion. Risk of ignition. Unstable. Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Exposure to air. Heat, flames and sparks. Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Isocyanates. Oxygen. Chlorine. Do not mix with other chemicals.
Hazardous decomposition	No hazardous decomposition products are known.

# 11. Toxicological information

# Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation

### Information on toxicological effects

# Acute toxicity

products

	Species	Test Results
TERAND GLASS & PROTECTIVE	COATING (CAS Mixture)	
Acute		
Inhalation		
LC50	Rat	1223 mg/l/4h
Components	Species	Test Results
Butane (CAS 106-97-8)		
Acute		
Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
Isopropyl Alcohol (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	16.4 ml/kg, 24 Hours
Inhalation		
LC50	Rat	> 10000 ppm, 6 Hours
Oral		
LD50	Rat	5.84 g/kg
Propane (CAS 74-98-6)		
Acute		
Inhalation		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
	Rat	1355 mg/l
	Rai	
		658 mg/l/4h
* Estimates for product may b	e based on additional component data not s	shown.
Skin corrosion/irritation	Prolonged skin contact may cause tempo	
Serious eye damage/eye	Harmful in contact with eyes.	
irritation		
Respiratory or skin sensitization		
	Not available.	
Respiratory sensitization		
Respiratory sensitization Skin sensitization		and dry the skin, leading to discomfort and dermatitis.
Skin sensitization	Frequent or prolonged contact may defat No data available to indicate product or a	and dry the skin, leading to discomfort and dermatitis. ny components present at greater than 0.1% are
Skin sensitization Germ cell mutagenicity	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic.	
Skin sensitization Germ cell mutagenicity Carcinogenicity	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic. This product is not considered to be a car	ny components present at greater than 0.1% are
Skin sensitization Germ cell mutagenicity Carcinogenicity	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic.	ny components present at greater than 0.1% are
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate Not listed.	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic. This product is not considered to be a car ed Substances (29 CFR 1910.1001-1050)	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA.
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate Not listed. Reproductive toxicity	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic. This product is not considered to be a car <b>ed Substances (29 CFR 1910.1001-1050)</b> This product is not expected to cause rep	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA.
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic. This product is not considered to be a car <b>d Substances (29 CFR 1910.1001-1050)</b> This product is not expected to cause rep Not classified.	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA.
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity -	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic. This product is not considered to be a car <b>ed Substances (29 CFR 1910.1001-1050)</b> This product is not expected to cause rep	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA.
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic. This product is not considered to be a car <b>d Substances (29 CFR 1910.1001-1050)</b> This product is not expected to cause rep Not classified.	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA.
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate	<ul> <li>Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic.</li> <li>This product is not considered to be a car</li> <li><b>cd Substances (29 CFR 1910.1001-1050)</b></li> <li>This product is not expected to cause rep Not classified.</li> <li>Not classified.</li> <li>Not available.</li> <li>Hazardous by OSHA criteria. Prolonged in</li> </ul>	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA. roductive or developmental effects.
Skin sensitization Germ cell mutagenicity Carcinogenicity OSHA Specifically Regulate Not listed. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard	<ul> <li>Frequent or prolonged contact may defat No data available to indicate product or an mutagenic or genotoxic.</li> <li>This product is not considered to be a car</li> <li><b>cd Substances (29 CFR 1910.1001-1050)</b></li> <li>This product is not expected to cause rep Not classified.</li> <li>Not classified.</li> <li>Not available.</li> <li>Hazardous by OSHA criteria. Prolonged in exposure may cause lung injury. Repeate</li> </ul>	ny components present at greater than 0.1% are cinogen by IARC, ACGIH, NTP, or OSHA. roductive or developmental effects.

# 12. Ecological information

12. Ecological information	ו			
Ecotoxicity		t is not classified as environmentally hazardo hat large or frequent spills can have a harmfu	l or damaging effect on the environment.	
Product		Species	Test Results	
TERAND GLASS & PROTEC	TIVE COATI	NG (CAS Mixture)		
Aquatic	1050			
Algae	IC50	Algae	18279 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	888 mg/L, 48 Hours	
Fish	LC50	Fish	3581 mg/L, 96 Hours	
Components	(	Species	Test Results	
Ammonium Hydroxide (CAS	1336-21-6)			
Aquatic Crustacea	EC50	Daphnia	0.66 mg/L, 48 Hours	
Fish	LC50			
		Western mosquitofish (Gambusia affinis)		
Isopropyl Alcohol (CAS 67-63 Aquatic	5-0)			
Algae	IC50	Algae	1000.0001 mg/L, 72 Hours	
Crustacea	EC50	Daphnia	13299 mg/L, 48 Hours	
Fish	LC50	Bluegill (Lepomis macrochirus)	> 1400 mg/l, 96 hours	
Bioaccumulative potential Partition coefficient n-octau Butane Isopropyl Alcohol Propane Mobility in soil Other adverse effects	No data av	2.89 0.05 2.36	etion, photochemical ozone creation	
12 Dianagol consideratio	-	ndocrine disruption, global warming potential)	are expected from this component.	
13. Disposal consideratio Disposal instructions		therities before dispessel. Contents under pres	ouro. Do pot pupoturo, inciparato or arush	
	Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator. Do not dispose of waste into sewer. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.			
Local disposal regulations	Dispose in	Dispose in accordance with all applicable regulations.		
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F The waste code should be assigned in discussion between the user, the producer and the waste disposal company.			
Waste from residues / unused products		in accordance with local regulations. Empty c idues. This material and its container must be structions).		
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.			

# 14. Transport information

UN1950
Aerosols, flammable
2.1
-
2.1

Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety
	instructions, SDS and emergency procedures before handling.

Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

#### ΙΑΤΑ

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

DOT





# 15. Regulatory information

#### **US** federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

Listed.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Ammonium Hydroxide (CAS 1336-21-6)

SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

# SARA 311/312 Hazardous No chemical

### SARA 313 (TRI reporting) Not regulated.

# Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Butane (CAS 106-97-8) Propane (CAS 74-98-6)

Safe Drinking Water Act Not regulated. (SDWA)

### **US state regulations**

### US. Massachusetts RTK - Substance List

Ammonium Hydroxide (CAS 1336-21-6) Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

# US. New Jersey Worker and Community Right-to-Know Act

Ammonium Hydroxide (CAS 1336-21-6) Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

# US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium Hydroxide (CAS 1336-21-6) Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

### US. Rhode Island RTK

Ammonium Hydroxide (CAS 1336-21-6) Butane (CAS 106-97-8) Isopropyl Alcohol (CAS 67-63-0) Propane (CAS 74-98-6)

### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information, including date of preparation or last revision

Issue date	06-04-2015
Version #	01
Further information	HMIS® is a registered trade and service mark of the NPCA.
Disclaimer	We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.