

SAFETY DATA SHEET

pitch cleaner



SECTION 1. Identification of the substance/mixture

PRODUCT NAME: pitch cleaner
CHEMICAL NAME: Not Applicable
CAS NUMBER: Not Applicable

SECTION 2. Hazards identification

Emergency overview

Aerosol. CONTENTS UNDER PRESSURE.
Causes skin and eye burns. Irritating to respiratory system. Prolonged exposure may cause chronic effects.

Potential health effects

Routes of exposure

Eyes

Skin

Inhalation

Ingestion

Target organs

Chronic effects

Signs and symptoms

Eye contact. Skin contact. Ingestion.
Causes eye burns.
Causes skin burns. May be harmful if absorbed through skin.
Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Causes burns. Irritating to respiratory system. Prolonged inhalation may be harmful.
Exposure by ingestion of an aerosol is unlikely. Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.
Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.
Central nervous system. Lungs.
May be harmful if absorbed through skin. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. May cause delayed lung injury.
Discomfort in the chest. Narcosis. Coughing.

SECTION 3. Composition/information on ingredients

Components

	CAS#	Percent
Diethylene Glycol Monobutyl Ether	112-34-5	8-10
Sodium Hydroxide	1310-73-2	5 - 8
Propane	74-98-6	1 - 3
n-Butane	106-97-8	1 - 3
Monoethanolamine	141-43-5	1 - 3
Non-hazardous and other components below reportable levels		60 - 80

SECTION 4. First aid measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately

Skin contact

Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention immediately.

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. Get medical attention if symptoms persist.

SECTION 5. Firefighting measures

Flammable properties

Runoff to sewer may cause fire or explosion hazard.

Extinguishing media

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

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Protection of firefighters
Protective equipment and precautions for firefighters

In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up

SECTION 6. Accidental release measures

Methods for containment Stop the flow of material, if this is without risk.

Methods for cleaning up Should not be released into the environment.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

SECTION 7. Handling and storage

Handling

Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not get this material in contact with skin. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged exposure.

Storage

Level 1 Aerosol.
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep away from food, drink and animal feedingstuffs. Store at ambient temperature and atmospheric pressure.

SECTION 8. Exposure controls/personal protection

Exposure limits

ACGIH

Components	CAS #	TWA	STEL	Ceiling
Diethylene Glycol Monobutyl Ether	112-34-5	20 ppm	Not established	Not established
Sodium Hydroxide	1310-73-2	Not established	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
Monoethanolamine	141-43-5	3 ppm	6 ppm	Not established

OSHA

Components	CAS #	TWA	STEL	Ceiling
Diethylene Glycol Monobutyl Ether	112-34-5	100 ppm	Not established	Not established
Sodium Hydroxide	1310-73-2	2 mg/m ³	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established
Monoethanolamine	141-43-5	3 ppm	Not established	Not established

Personal protective equipment

Skin protection

Do not get this material on clothing. Wear appropriate chemical resistant clothing. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Respiratory protection

Do not breathe dust/fume/gas/mist/vapors/spray. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

SECTION 9. Physical and chemical properties

Appearance Compressed liquefied gas.
Boiling point 386.6 °F (197.2 °C) estimated
Color Colorless.

Density	1.009 g/cm ³ estimated
Flammability (HOC)	5.7 kJ/g estimated
Flash back	No
Flash point	-156 °F (-104.4 °C) Propellant
Form	Aerosol.
Freezing point	Not available
Odor	Ammoniacal.
pH	13 - 14
Physical state	Liquid.
Pressure	85 - 105 psig @ 70F
Solubility	Completely
Specific gravity	1.0091 estimated

SECTION 10. Stability and reactivity

Chemical stability	Risk of ignition.
Conditions to avoid	Heat, flames and sparks.
Hazardous decomposition products	Irritants. Toxic gas.

SECTION 11. Toxicological information

Acute effects	Acute LD50: 12919 mg/kg estimated, Rat, Dermal
Component analysis - LD50	
<i>Toxicology Data - Selected LD50s and LC50s</i>	
<i>Diethylene Glycol Monobutyl Ether</i>	112-34-5 Oral LD50 Rat 3384 mg/kg; Dermal LD50 Rabbit 2700 mg/kg
<i>Monoethanolamine</i>	141-43-5 Oral LD50 Rat 1720 mg/kg; Dermal LD50 Rabbit 1 mL/kg; Dermal LD50 Rabbit 1025mg/kg
<i>n-Butane</i>	106-97-8 Inhalation LC50 Rat 658 mg/L 4 h
<i>Propane</i>	74-98-6 Inhalation LC50 Rat 658 mg/L 4 h
<i>Sodium Hydroxide</i>	1310-73-2 Dermal LD50 Rabbit 1350 mg/kg
Teratogenicity	Not expected to be hazardous by OSHA criteria.

SECTION 12. Ecological information

Ecotoxicity	LC50 746 mg/L, Fish, 96.00 Hours, EC50 3071 mg/L, Daphnia, 48.00 Hours, IC50 687 mg/L, Algae, 72.00 Hours, Components of this product are hazardous to aquatic life.
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SECTION 13. Disposal considerations

Waste codes	D001: Waste Flammable material with a flash point <140 F D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]
Disposal instructions	Contents under pressure. Dispose of this material and its container to hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

SECTION 14. Transport information

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name	Aerosols
Hazard class	2.1
UN number	UN1950

Additional information:

Special provisions	153, N82
Packaging exceptions	LTD QTY



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Packaging non bulk None
 Packaging bulk None

Further information

Until 12/31/2013, 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 12/31/13 and may be used now in place of the "Consumer Commodity ORM-D" marking but not concurrently.

IMDG

Basic shipping requirements:

Proper shipping name AEROSOLS
 Hazard class 2.1
 Subsidiary hazard class 8
 UN number 1950

Additional information:

Packaging exceptions LTD QTY
 Item 5FC
 Labels required None
 Transport Category If <1L: Consumer Commodity



IATA

Basic shipping requirements:

Proper shipping name Aerosols, flammable, containing substances in Class 8, Packing Group II
 Hazard class 2.1
 Subsidiary hazard class 8
 UN number 1950

Additional information:

Packaging exceptions Forbidden
 Labels required Forbidden



SECTION 15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Diethylene Glycol Monobutyl Ether 112-34-5 1.0 % de minimis concentration (applies to R-(OCH2CH2)n-OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

Sodium Hydroxide: 1000.0000 Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Hazard categories (311/312) Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 Pressure Hazard - Yes
 Reactivity Hazard - No

Inventory status

Country(s) or region Inventory name On inventory

(yes/no)*

China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	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)

State regulations

U.S. - Pennsylvania - RTK (Right to Know) List

Diethylene Glycol Monobutyl Ether	112-34-5	Environmental hazard
Monoethanolamine	141-43-5	Present
n-Butane	106-97-8	Present
Propane	74-98-6	Present
Sodium Hydroxide	1310-73-2	Environmental hazard

*****End of MSDS*****

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