

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 86515  
**Product name** **Foaming Chain & Cable Lubricant**  
**Effective date** 02-May-2012  
**Company information** NuTech Specialties, Inc.  
9811 South 6150 West  
West Jordan, UT 84088 United States  
**Company phone** General Assistance (801) 253-1000  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 1-952-852-4646  
**Version #** 01  
**Product use** Lubricant

## 2. Hazards Identification

**Emergency overview** FLAMMABLE  
Aerosol. CONTENTS UNDER PRESSURE. Will be easily ignited by heat, spark or flames. Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

**Potential health effects**

**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.

**Eyes** Contact may irritate or burn eyes.

**Skin** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Target organs** Central nervous system. Lungs.

**Chronic effects** Prolonged skin contact may defat the skin and produce dermatitis. Conjunctiva. 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 damage.

**Signs and symptoms** Discomfort in the chest. Narcosis. Conjunctivitis. Defatting of the skin. Irritation.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Heavy Paraffinic Petroleum Distillate	64741-88-4	70 - 80
Propane	74-98-6	10 - 15
Mineral Spirits	64742-47-8	3 - 5
Stoddard Solvent	8052-41-3	1 - 3
Cocoyl Diethanolamide	68603-42-9	1 - 3
Diethanolamine	111-42-2	0.1 - 0.5
Non-hazardous and other components below reportable levels		2.5 - 10

## 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 take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

**Ingestion** If material is ingested, immediately contact a poison control center. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. 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.

**Notes to physician** Symptoms may be delayed.

**5. Fire Fighting Measures**

**Flammable properties** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**Extinguishing media**

**Suitable extinguishing media** Water. Water spray. Water fog. Dry chemical. Carbon dioxide (CO2).

**Protection of firefighters**

**Protective equipment and precautions for firefighters** In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out.

**6. Accidental Release Measures**

**Methods for containment** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up** Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

**7. Handling and Storage**

**Handling** Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. 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 get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

**Storage** Level 3 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Level 3 Aerosol. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

**8. Exposure Controls / Personal Protection**

**Exposure limits**

<b>ACGIH</b>				
<b>Components</b>	<b>CAS #</b>	<b>TWA</b>	<b>STEL</b>	<b>Ceiling</b>
Propane	74-98-6	1000 ppm	Not established	Not established
Stoddard Solvent	8052-41-3	100 ppm	Not established	Not established
Diethanolamine	111-42-2	If <1L: Consumer Com mg/m3	Not established	Not established

**OSHA**

Components	CAS #	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
Stoddard Solvent	8052-41-3	500 ppm	Not established	Not established

**Personal protective equipment**

<b>Eye / face protection</b>	Avoid exposure - obtain special instructions before use. Wear chemical goggles.
<b>Skin protection</b>	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	None required where adequate ventilation conditions exist. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

<b>9. Physical &amp; Chemical Properties</b>
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<b>Appearance</b>	Compressed liquefied gas.
<b>Boiling point</b>	543.2 °F (283.9 °C) estimated
<b>Color</b>	Black.
<b>Density</b>	0.791 g/cm <sup>3</sup> estimated
<b>Flammability (HOC)</b>	42.7339 kJ/g estimated
<b>Flash back</b>	No
<b>Flash point</b>	-156 °F (-104.4 °C) Propellant
<b>Form</b>	Liquid. Aerosol.
<b>Freezing point</b>	Not available
<b>Odor</b>	Solvent.
<b>pH</b>	Not applicable
<b>Physical state</b>	Liquid.
<b>Pressure</b>	80 - 90 psig @ 70F
<b>Solubility</b>	Negligible
<b>Specific gravity</b>	0.7911 estimated

<b>10. Chemical Stability &amp; Reactivity Information</b>
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<b>Chemical stability</b>	Risk of ignition.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

<b>11. Toxicological Information</b>
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**Acute effects** Acute LD50: 2535 mg/kg estimated, Rat, Dermal

**Component analysis - LD50****Toxicology Data - Selected LD50s and LC50s**

Cocoyl Diethanolamide	68603-42-9	Oral LD50 Rat 12400 µL/kg
Diethanolamine	111-42-2	Oral LD50 Rat 620 µL/kg; Dermal LD50 Rabbit 7640 µL/kg
Heavy Paraffinic Petroleum Distillate	64741-88-4	Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Mineral Spirits	64742-47-8	Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h

**Sensitization** Not expected to be hazardous by OSHA criteria.

**Carcinogenicity** None known.

**IARC - Group 2B (Possibly Carcinogenic to Humans)**

Cocoyl Diethanolamide	68603-42-9	Monograph 101 [in preparation]
Diethanolamine	111-42-2	Monograph 101 [in preparation]; Monograph 77 [2000]

**Teratogenicity** Not expected to be hazardous by OSHA criteria.

## 12. Ecological Information

<b>Ecotoxicity</b>	Components of this product have been identified as having potential environmental concerns.  LC50 209 mg/L, Fish, 96.00 Hours, EC50 1001 mg/L, Daphnia, 48.00 Hours, IC50 2975 mg/L, Algae, 72.00 Hours, The product itself has not been tested.
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## 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 F
<b>Disposal instructions</b>	Contents under pressure. Dispose of this material and its container at 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.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

<b>Proper shipping name</b>	Aerosols
<b>Hazard class</b>	2.1
<b>UN number</b>	UN1950
<b>Additional information:</b>	
<b>Special provisions</b>	153, N82
<b>Packaging exceptions</b>	LTD QTY
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	None



<b>Further information</b>	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.
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### IMDG

#### Basic shipping requirements:

<b>Proper shipping name</b>	AEROSOLS
<b>Hazard class</b>	2.1
<b>UN number</b>	1950
<b>Additional information:</b>	
<b>Packaging exceptions</b>	LTD QTY
<b>Item</b>	5F
<b>Labels required</b>	None
<b>Transport Category</b>	2



### IATA

#### Basic shipping requirements:

<b>Proper shipping name</b>	Aerosols, flammable
<b>Hazard class</b>	2.1
<b>UN number</b>	1950
<b>Additional information:</b>	
<b>Packaging exceptions</b>	LTD QTY
<b>Labels required</b>	2.1



## 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**

Diethanolamine 111-42-2 1.0 % de minimis concentration

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

Diethanolamine: 100.0000

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

Diethanolamine	111-42-2	Environmental hazard
Heavy Paraffinic Petroleum Distillate	64741-88-4	Present
Mineral Spirits	64742-47-8	Present
Propane	74-98-6	Present
Stoddard Solvent	8052-41-3	Present

## 16. Other Information

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings** Health: 1\*  
Flammability: 4  
Physical hazard: 0

**Disclaimer** 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.

**Prepared by** Regulatory Compliance