

# MSDS - Material Safety Data Sheet

## Product Name: ZMAX MICRO-LUBRICANT HEAVY DUTY SILICONE SPRAY

MSDS No.: 80031

### I. Basic Information:

Manufacturer: OIL-CHEM RESEARCH CORPORATION

Address: 6407 IDLEWILD ROAD, SUITE 100

City, ST Zip: CHARLOTTE, NC 28218

Emergency Contact: Gina Falish

Emergency Telephone Number: 704--94-3-22 63

Contact:

Information Telephone Number: 704-943-2260

Last Update: 03/22/2006

Chemical State:  Liquid  Gas  Solid

Chemical Type:  Pure  Mixture



2	Health
2	Flammability
0	Reactivity
A	Pers. Protection

### II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA	OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB	Z	313			
111762	2-Butoxyethanol	1-2					X	25 ppm	25 ppm	
8052413	Aliphatic Hydrocarbon Solvent	40.0 - 70.0						100 ppm	100 ppm	
124389	Carbon dioxide	3.0 - 4.0						N/A/V	5000 ppm	
63148629	Dimethyl Polysiloxane	6-7						N/E	N/E	
64742525	Naphthenic Petroleum Distillate	2-3						5 mg/m3	5 mg/m3	
64742467	Petroleum Distillate, Hydrotreated Middle	15.0 - 40.0						5 mg/m3	5 mg/m3	

### III. Hazardous Identification:

Hazard Category:

Acute  Chronic  Fire  Pressure  Reactive

Hazardous Identification Information:

Flammable. Harmful or fatal if swallowed. Eye and Skin Irritant. Contents under Pressure.

Level 3 Aerosol

### IV. First Aid Measures:

Route(s) of Entry:

Absorption, Eye, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See Signs and Symptoms below

Signs and Symptoms:

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.  
 Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.  
 Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis..  
 Ingestion: HARMFUL OR FATAL IF SWALLOWED.

Medical Conditions Generally Aggravated by Exposure:

## ***MSDS - Material Safety Data Sheet***

### ***Product Name: ZMAX MICRO-LUBRICANT HEAVY DUTY SILICONE SPRAY***

**MSDS No.:** 80031

N/D

#### **Emergency and First Aid Procedures:**

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult give oxygen and get prompt medical attention. If breathing stops, give artificial respiration and get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Aspiration of vomitus into the lungs can cause pneumonitis, which can be fatal.

#### **Other Health Warnings:**

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

#### ***V. Fire Fighting Measures:***

**Flash Point:** 125°F

**Lower Explosive Limit:** N/D

**Upper Explosive Limit:** N/D

**F.P. Method:** TCC

**Fire Extinguishing Media:** Water Fog, Foam, Carbon Dioxide, Dry Chemical

#### **Special Fire Fighting Procedures:**

Wear self-contained positive pressure breathing apparatus and protective clothes. Cool containers with a water fog. Do not use forced water stream as this could cause the fire to spread. Use shield to protect from rupturing and venting containers.

#### **Unusual Fire and Explosion:**

At elevated temperatures containers may vent, rupture or burst, even violently.

#### ***VI. Accidental Release Measures:***

##### **Steps to be Taken in Case Material is Released or Spilled:**

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

#### ***VII. Handling and Storage:***

##### **Precautions to be Taken:**

Use with adequate ventilation and proper protective equipment.

Store in cool, well ventilated area below 120°F away from heat sources. Do not use near fire, sparks, or open flame. Exposure to temperatures above 120° may cause container to vent, rupture, or burst. Do not puncture or incinerate container.

##### **Other Precautions:**

Flammable. Store in cool place away from oxidizers and acids.

#### ***VIII. Exposure Controls/Personal Protection:***

##### **Ventilation Requirements:**

See Section 2 for applicable exposure limits. Use with adequate ventilation. If TLV is exceeded, wear NIOSH approved respirator.

##### **Personal Protective Equipment:**

## MSDS - Material Safety Data Sheet

### Product Name: ZMAX MICRO-LUBRICANT HEAVY DUTY SILICONE SPRAY

MSDS No.: 80031

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, gloves, and apron.

#### IX. Physical and Chemical Properties:

Boiling Point: 310°F

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): N/D

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H2O = 1): 0.80200

Vapor Density (AIR = 1): N/D

Solubility In Water: Insoluble

Appearance and Odor: Clear to slight yellow liquid with petroleum odor.

Other Information: N/D

#### X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Oxidizing agents and acids.

Decomposition/By Products:

Normal products of combustion, carbon dioxide, smoke and Nitrogen and Sulfur Oxides

Hazardous Polymerization:

Will not occur

#### XI. Toxicological Information:

N/D

#### XII. Ecological Information:

N/D

#### XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

#### XIV. Transport Information:

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

#### XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are listed on the US TSCA Inventory.

Warning: This product contains a chemical(s) known to the State of California to cause cancer or birth defects or other reproductive harm.

## ***MSDS - Material Safety Data Sheet***

***Product Name: ZMAX MICRO-LUBRICANT HEAVY DUTY SILICONE  
SPRAY***

***MSDS No.: 80031***

### ***XVI. Other Information:***

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye.  
KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

While Oil-Chem Research Corporation believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.