

MSDS - Material Safety Data Sheet

Product Name: ZMAX MICRO-LUBRICANT BRAKE QUIET

MSDS No.: 81401

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



1	Health
4	Flammability
0	Reactivity
B	Pers. Protection

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
67641	Acetone	10-30							750 ppm	750 ppm	
106978	Butane	10-30							N/E	800 ppm	
141786	Ethyl acetate	1-5							400 ppm	400 ppm	
110543	n-Hexane	10-30					X		50 ppm	50 ppm	
74986	Propane	10-30							N/E	1000 ppm	
64742898	Solvent Naphtha	1-5							300 ppm	300 ppm	

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Danger: Extremely Flammable, Harmful or Fatal if Swallowed, Vapor Harmful, Eye and Skin Irritant, Contents Under Pressure.

Level 3 Aerosol

IV. First Aid Measures:

Route(s) of Entry:

Absorption, eye contact, Inhalation, and Ingestion.

Health Hazards (Acute and Chronic):

See signs and symptoms

Signs and Symptoms:

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.
 Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.
 Inhalation: Prolonged exposure may cause narcosis, headache, and nausea..
 Ingestion: HARMFUL OR FATAL IF SWALLOWED. Causes irritation, liver and kidney damage

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Medical Conditions Generally Aggravated by Exposure:

None known

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:

None known

V. Fire Fighting Measures:

Flash Point: - 1 F

Lower Explosive Limit: 1.8%

Upper Explosive Limit: 9.5 %

F.P. Method:

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:

Toxic fumes, gases or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back.

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.

Do not use or store near fire, sparks, or open flame. Do not puncture or incinerate container. Exposure to temperatures above 120° may cause container to vent, rupture, or burst.

Other Precautions:

Store in a cool place below 120 F. away from oxidizing agents.

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VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

See Section 2 for applicable exposure limits. Maintain adequate ventilation. Avoid breathing vapors. In restricted areas, use approved chemical filters designed to remove vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limit

Personal Protective Equipment:

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

IX. Physical and Chemical Properties:

Boiling Point: > 100 F

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): > 1.0

Vapor Pressure (mm Hg.): N/AV

Specific Gravity (H2O = 1): 0.75000

Vapor Density (AIR = 1): N/A

Solubility In Water: Insoluble

Appearance and Odor: Blue liquid with solvent odor

Other Information: Container pressure: 68 - 72 psig.
Propellant Flash Point: - 156 F

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Keep away from strong oxidizers

Decomposition/By Products:

Carbon Dioxide, Carbon Monoxide, and Hydrocarbons.

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 aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! 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

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See Section 2 for SARA Reportable Chemicals.

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

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

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