

MSDS - Material Safety Data Sheet**Product Name: ZMAX MICRO-LUBRICANT THROTTLE BODY & AIR INTAKE CLEANER**

MSDS No.: 80531

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: 03/23/2006

Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

2	Health
4	Flammability
0	Reactivity
H	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	2-Propanone	30-60							1000 ppm	750 ppm	
100414	Ethylbenzene	>10					X		100 ppm (T)	100 ppm (T)	
64742547	Hydrotreated Heavy Paraffinic Distillate	1-10							5 mg/m3	5 mg/m3	
67561	Methanol	1-4					X		200 PPM	200 PPM	
74986	Propane	10-30							N/E	1000 ppm	
108883	Toluene	15-45					X		100 PPM	100 PPM	
1330207	Xylene (mixed isomers)	5-20					X		100 ppm (T)	100 ppm (T)	

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Danger: Poison. May be fatal or cause blindness if swallowed Vapor harmful. Eye and skin irritant. Extremely Flammable. Contents under pressure.

Level 3 Aerosol

IV. First Aid Measures:

Route(s) of Entry:

Inhalation, eye and skin contact.

Health Hazards (Acute and Chronic):

See signs and symptoms below

Signs and Symptoms:

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Eye Contact: Direct spray or vapors will irritate and may harm eyes

Skin Contact: Product may cause irritation due to defatting of skin.

Inhalation: High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache, or indigestion.

Ingestion: May cause blindness if swallowed. Causes irritation, narcosis, and liver and kidney damage.

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:

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: 0 - 20°F

Lower Explosive Limit: 1.8%

Upper Explosive Limit: 9.5%

F.P. Method: TCC

Fire Extinguishing Media: Foam, Dry Chemical (B-C), Carbon Dioxide

Special Fire Fighting Procedures:

Wear self-contained, positive pressure breathing apparatus and protective clothing. Use water fog to keep container cool.

Protect from venting, rupturing, and bursting containers.

Unusual Fire and Explosion:

At temperatures above 120°F, containers may vent, rupture, or burst, even violently. Contents under pressure. Do not use near fire, sparks, or flame.

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. Contains Methanol, can not be may non-poisonous.

Other Precautions:

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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!

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/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limits.

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/D

Specific Gravity (H2O = 1): 0.80000

Vapor Density (AIR = 1): N/D.

Solubility In Water: Partial solubility

Appearance and Odor: Clear liquid with solvent odor.

Other Information: Vapor Pressure: 106-108 psig

Container Pressure: 45 psig

Solubility in Solvent: Complete

VOC content (CARB): 45.00%

X. Stability and Reactivity:

Stability:

Product is stable

Incompatibility (Materials to Avoid):

Avoid contact with strong oxidizers

Decomposition/By Products:

Carbon Dioxide, Carbon Monoxide, 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.

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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 known to the state of California to cause birth defects or other reproductive toxicity.

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

WEARING CONTACT LENSES WHEN HANDLING THIS MATERIAL IS INADVISABLE! KEEP AWAY FROM CHILDREN AND ANIMALS.

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