



Prepared according to 29CFR 1910.1200.

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| 1 | Chemical Product and Company Identification |
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*Joe Gibbs Performance
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Phone: (866) 611-1820*

Product Trade Name MICROZOL (TM) XP1
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name Mixture.
Product Type Miscellaneous commercial development.
Preparation/Revision Date 04 January 2006
Transportation Emergency Phone No. (CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887
MSDS No. 23719134-2202531-2028640-811103

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| 2 | Hazards Identification |
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Appearance Dark amber liquid.
Odor Mild
Principal Hazards CAUTION.

- MAY CAUSE EYE IRRITATION.
- MAY CAUSE SKIN IRRITATION.

This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.
 See Section 11 for complete health hazard information.

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| 3 | Composition/Information on Ingredients |
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Hazardous Ingredients

| Comp | CAS No. | Percentage (by wt.) | Carcinogen |
|----------------------|---------------|-------------------------|------------|
| Molybdenum complexes | Confidential. | From 0.1 to 0.9 percent | N/E |

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| 4 | First Aid Measures |
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Eyes Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
Skin Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation Remove exposed person to fresh air if adverse effects are observed.

Oral DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

Additional Information Note to physician: Treat symptomatically.

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| 5 | Fire Fighting Measures |
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Flash Point 186 Deg C, 366.8 Deg F PMCC (Typical)

Extinguishing Media CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.

Firefighting Procedures Recommend wearing self-contained breathing apparatus. Water may cause splattering. Use water to cool containers exposed to fire.

Unusual Fire & Explosion Hazards Toxic fumes, gases or vapors may evolve on burning.

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| 6 | Accidental Release Measures |
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Spill Procedures Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

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| 7 | Handling and Storage |
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Pumping Temperature Not determined.

Maximum Handling Temperature Not determined.

Handling Procedures Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Maximum Storage Temperature Not determined.

Storage Procedures No special storage precautions required.

Loading Temperature Not determined.

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| 8 | Exposure Controls/Personal Protection |
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Exposure Limits None established

Other Exposure Limits Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

Engineering Controls If use generates a mist or vapor, local exhaust ventilation is recommended.

Gloves Procedures Neoprene. Polyvinyl alcohol. Note: polyvinyl alcohol gloves are water soluble and should not be used when there is potential for water contact.

Eye Protection Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

Respiratory Protection Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.

Clothing Recommendation Long sleeve shirt is recommended.

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| 9 | Physical and Chemical Properties |
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Flash Point 186 Deg C, 366.8 Deg F PMCC (Typical)

Upper Flammable Limit Not determined.

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| Lower Flammable Limit | Not determined. |
| Autoignition Point | Not determined. |
| Explosion Data | Material does not have explosive properties. |
| Vapor Pressure | Not determined. |
| pH | Not determined. |
| Specific Gravity | 0.85 (15.6 Deg C) |
| Bulk Density | Not determined. |
| Water Solubility | Insoluble. |
| Percent Volatile | Unknown. |
| Percent VOC | Not determined. |
| Vapor Density | Not determined. |
| Evaporation Rate | Not determined. |
| Odor | Mild |
| Appearance | Dark amber liquid. |
| Viscosity | 50 Centistokes (40 Deg C) 9.1 Centistokes (100 Deg C) |
| Odor Threshold | Unknown. |
| Boiling Point | Not determined. |
| Pour Point Temperature | < -40 Deg C, -40 Deg F |
| Melting / Freezing Point | Not determined. |

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

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| 10 | Stability and Reactivity |
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| Stability | Material is normally stable at moderately elevated temperatures and pressures. |
| Decomposition Temperature | Not determined. |
| Incompatibility | Oxidizing agents. |
| Polymerization | Will not occur. |
| Thermal Decomposition | Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide may also be released. |
| Conditions to Avoid | Not determined. |

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| 11 | Toxicological Information |
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-- ACUTE EXPOSURE --

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| Eye Irritation | May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials. |
| Skin Irritation | May cause skin irritation, based on data from components or similar materials. Not expected to meet EU R38 criteria. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin. |
| Respiratory Irritation | If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem. If product is heated or a mist is generated, it may cause irritation of the upper respiratory tract. |
| Dermal Toxicity | The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials. |
| Inhalation Toxicity | No data available to indicate product or components may be a toxic inhalation hazard. |

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| Oral Toxicity | The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials. |
| Dermal Sensitization | No data available to indicate product or components may be a skin sensitizer. |
| Inhalation Sensitization | No data available to indicate product or components may be respiratory sensitizers. |

-- CHRONIC EXPOSURE --

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| Chronic Toxicity | No data available to indicate product or components present at greater than 1% are chronic health hazards. |
| Carcinogenicity | This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test. |
| Mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Reproductive Toxicity | No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity. |
| Teratogenicity | No data available to indicate product or any components contained at greater than 0.1% may cause birth defects. |

-- ADDITIONAL INFORMATION --

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| Other | No other health hazards known. |
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| 12 | Ecological Information |
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-- ENVIRONMENTAL TOXICITY --

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| Freshwater Fish Toxicity | The acute LC50 is 100 - 1000 mg/L based on component data. |
| Freshwater Invertebrates Toxicity | Not determined. |
| Algal Inhibition | Not determined. |
| Saltwater Fish Toxicity | Not determined. |
| Saltwater Invertebrates Toxicity | Not determined. |
| Bacteria Toxicity | The acute EC50 for bacteria is 100 - 1000 ppm based on component data. |
| Miscellaneous Toxicity | Not determined. |

-- ENVIRONMENTAL FATE --

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| Biodegradation | At least 25% of the components in this product show limited biodegradation based on OECD 301-type test data. |
| Bioaccumulation | 1 - 10% of the components potentially bioconcentrate, based on octanol/water coefficients. |
| Soil Mobility | Not determined. |

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| 13 | Disposal Consideration |
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| Waste Disposal | This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. |
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| 14 | Transport Information |
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| ICAO/IATA (US) | Not regulated. |
| ICAO/IATA (International) | Not regulated. |
| IMDG | Not regulated. |
| IMDG (Elevated) | Elevated temperature liquid, n.o.s., Class 9, UN3257, PG III |
| IMDG EMS Fire | Not applicable. |

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| IMDG EMS Spill | Not applicable. |
| IMDG MFAG | Not applicable. |
| IMO Marine Vessel | DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED |
| USCG Compatibility | Not determined. |
| U.S. DOT Bulk | Not regulated. |
| U.S. DOT Bulk (Elevated) | Elevated temperature liquid, n.o.s., Class 9, UN3257, PG III |
| U.S. DOT Non-Bulk | Not regulated. |
| DOT NAERG | Not applicable. |
| TDG Bulk | Not regulated. |
| TDG Bulk (Elevated) | Elevated temperature liquid, n.o.s., Class 9, UN3257, PG III |
| TDG Non-Bulk | Not regulated. |
| Mexico | Not regulated. |
| Mexico (Elevated) | Elevated temperature liquid, n.o.s., Class 9, UN3257, PG III |
| Mexico Non-Bulk | Not regulated. |
| Bulk Quantity | 85000 liters, 22457 gal. |
| Non-Bulk Quantity | 207.8 liters, 55 gal. |

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Regulatory Information**-- Global Chemical Inventories --**

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| U.S. TSCA Inventory | All components of this material are on the US TSCA Inventory or are exempt. |
| Other TSCA Reg. | Section 4a (Nonane).May be subject to export notification under TSCA Section 12(b). |
| EEC EINECS | All components comply with the EU 7th Amendment and are approved for EU sales. Lubrizol must maintain records of all imports of this product into the EU. Third party importers are asked to report every import to The Lubrizol PSCD Manager (Europe),Hazelwood,Derby DE56 1QN, UK. |
| Japan METI | This product may be imported to Japan only by Lubrizol Japan. |
| Australia | A component(s) of this product has been notified and assessed under the Industrial Chemicals (Notification and Assessment) Act, 1989. This product may be imported only by Lubrizol Australia. |
| Canada | All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List. |
| Switzerland | This product requires notification before sale in Switzerland. |
| Korea | All components are in compliance in Korea. |
| Philippines | This product requires notification before sale in the Philippines. |
| China | This product requires notification in China. |

-- Other U.S. Federal Regulations --

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| SARA Ext. Haz. Subst. | This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list. | |
| SARA Section 313 | This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313. | |
| SARA 311 Classifications | Acute Hazard | Yes |
| | Chronic Hazard | No |
| | Fire Hazard | No |
| | Reactivity Hazard | No |

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| CERCLA Hazardous Substances | None known. |
| FDA Approval | Not applicable. |

-- State Regulations --

Cal. Prop. 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 1 ppm cadmium < 1 ppm lead < 1 ppm arsenic

-- Registrations --

U.S. Fuel Registration Not applicable.
U.S. Dept of Agriculture This product has not been filed with the USDA to support H2 approvals.
NSF Nonfood Compounds Registration Not determined.
Finnish Registration Number Not Registered
Sweden Registration Number Not Registered
Norway Registration Number Not Registered
Danish Registration Number Not Registered
Switzerland Bag T Registration Number Not Registered
Korean Registration Number Not Registered
China Registration Number Not Registered
New Zealand Registration Number Not Registered

-- Other / International --

TDG Regulated Limit. None known.
U.S. Tariff Heading Number 3403.19.50.00
Schedule B Number 3403.19.0000

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| 16 | Other Information |
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US NFPA Codes

| Health | Fire | Reactivity | Special |
|--------|------|------------|---------|
| 1 | 1 | 0 | N/E |

HMIS Codes

| Health | Fire | Reactivity |
|--------|------|------------|
| 1 | 1 | 0 |

Precautionary Labels

CAUTION.

- MAY CAUSE EYE IRRITATION.
- MAY CAUSE SKIN IRRITATION.

Revision Indicators

Section: 1 PRODUCT TYPE
 Section: 8 RESPIRATORY PROTECTION

Changed: 4 January 2006
 Changed: 4 January 2006

Users Responsibility/Disclaimer of Liability: The information set forth herein is based on our current knowledge, and is intended to describe the product solely with respect to health, safety and the environment. As such, it must not be interpreted as a guarantee of any specific property of the product. As a result, the customer shall be solely responsible for deciding whether said information is suitable and beneficial.