



MATERIAL SAFETY DATA SHEET

This MSDS is compatible with ISO 11014 – 1:1994 and conforms to ANSI standard Z400.1 – 1993.

SAFETY DATA SHEET

This SDS complies with 91/155/EEC and 2001/58/EC

Section 1: Chemical Product and Company Identification

PRODUCT NAME: METLUBE 315
INTENDED USES: Machining Coolant; Cutting Fluid; Metal Protectant

Manufacturer: Pantheon Chemical
225 West Deer Valley Road
Suite #4
Phoenix, Arizona 85027-2108

Telephone: (623) 780-2296
Toll Free: 1-888-824-2918
FAX: (623) 516-0414

Supplier: Pantheon Chemical
225 West Deer Valley Road
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Telephone: (623) 780-2296
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Date MSDS/SDS Prepared: June 27, 2007

Section 2: Composition, Information on Ingredients

Some items on this MSDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

Section 3: Hazards Identification

HAZARD CLASSIFICATION: Non-flammable (based on IMO and DOT)
FIRE AND EXPLOSION: None
APPEARANCE: Clear Amber Liquid

Potential Health Effects

INHALATION:
SKIN CONTACT:
EYE CONTACT:
INGESTION:

Potential Symptoms

No problems are expected.
May cause mild skin irritation.
Eye irritation may result.
May be harmful if swallowed.

NFPA RATINGS:

| Component | Health (Blue) | Flammability (Red) | Reactivity (Yellow) | Special (White) |
|---------------------------------------|------------------|-----------------------|------------------------|--------------------|
| METLUBE 315 Metal Working Fluid | 1 | 0 | 0 | -- |

Section 4: First Aid Measures

Emergency and First Aid Procedures

| | |
|---------------|---|
| GENERAL: | Flush any exposed area with plenty of water. |
| SKIN CONTACT: | Wash thoroughly with soap and rinse with water. |
| EYE CONTACT: | Rinse immediately with water and seek medical advice. |
| INGESTION: | Drink large amount of water. Do NOT induce vomiting. Seek medical advice. |
| INHALATION: | No problems are expected. |

Section 5: Fire-fighting Measures

| | |
|-------------------------------------|----------------|
| FLASH POINT: | None |
| FLAMMABLE LIMITS IN AIR (% by vol): | Not applicable |
| EXTINGUISHING MEDIA: | Not Applicable |
| SPECIAL FIREFIGHTING PROCEDURES: | Not Applicable |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: | None |

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Product is biodegradable. Clean up as much as possible and place in a suitable container for later disposal.
Prevent spills or contaminated rinse water from entering storm drains, drywells, watercourses, or land areas.
Reference Section 15 on applicable regulations.

DISPOSAL METHOD:

Dispose in accordance with Federal, State and local regulations.

Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not store in temperatures below 32 F.
Wear proper protective equipment and avoid contact with skin, eyes, or clothing.
Wash hands and face after handling this material. Keep out of reach of children.
Follow all applicable local regulations for handling and storage.

SPECIFIC USES:

This product is an all-purpose metal working fluid.

INFORMATION ON EMPTIED CONTAINER

Dispose of this container according to local, state, and federal laws in your country.

Section 8: Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

| | |
|-------------------------------|--|
| EXPOSURE LIMITS | Reference Section 2 |
| VENTILATION: | No special precautions required. |
| SPECIAL VENTILATION CONTROLS: | None required |
| RESPIRATORY PROTECTION: | None required. |
| HAND PROTECTION: | Rubber Gloves |
| EYE PROTECTION: | Safety Glasses, Chemical Goggles, or Face shield |
| SKIN PROTECTION: | Suitable protective clothing to prevent skin contact |
| OTHER EQUIPMENT: | Make safety shower, eyewash stations and handwashing equipment available in the work area. |

WORK/HYGIENE PRACTICES: Avoid contact with eyes. Wash hands after handling.
ENVIRONMENTAL EXPOSURE CONTROLS: None required

Section 9: Physical and Chemical Properties

| | |
|----------------------------|-----------------------------|
| BOILING POINT: | 215° F (102°C [Water]) |
| SPECIFIC GRAVITY (@25 °C): | 1.0 [Water] |
| VAPOR PRESSURE | Slightly less than water |
| FREEZING POINT: | 21° F (-6 °C) |
| EVAPORATION RATE: | <1 (Butyl Acetate = 1) |
| SOLUBILITY IN WATER: | 100% |
| APPEARANCE - COLOR: | Clear Amber |
| PHYSICAL STATE: | Liquid |
| ODOR: | None |
| PH | 9.5 – 10.5 |
| VISCOSITY | Slightly greater than water |
| RINSIBILITY | No residue or film |
| CORROSIVE | No |

Section 10: Stability and Reactivity

| | |
|---------------------------------------|---|
| STABILITY: | Stable. |
| CONDITIONS TO AVOID: | None known |
| INCOMPATIBILITY (MATERIALS TO AVOID): | This product has a slight exothermic reaction with strong acid solutions. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None |
| HAZARDOUS POLYMERIZATION: | Will not occur |

Section 11: Toxicological Information

No information is available for the mixture.

CARCINOGENIC INFORMATION:

| | |
|-------|-------------|
| NTP: | None listed |
| IARC: | None listed |
| OSHA | None listed |

AMES TEST RESULTS: No information is available

OTHER INFORMATION:

Only Selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented. See actual entry in RTECS for complete information.

Section 12: Ecological Information

| | |
|---|------------------------------|
| BIODEGRADABLE: | Yes |
| BIOACCUMULATION: | No information is available. |
| AQUATIC TOXICITY (working solution): | No Environmental hazards |
| GERMAN WATER CLASSIFICATION (concentrate): | WGK 1 |
| GERMAN WATER CLASSIFICATION (working solution): | Non-hazardous |
| OTHER INFORMATION: | None |
| 1999/45/EC Annex III | No Environmental hazards |

Section 13: Disposal Considerations

Completely rinse container prior to disposal. Dispose of in accordance with Federal, State and local regulations. Large quantities of waste may require adjustment to a neutral pH. None of the chemicals used in the product are listed as a Priority Pollutant in Appendix A to 40 CFR, Part 423—126 Priority Pollutants.

Section 14: Transport Information (per 49 CFR 172.101)

LABEL FOR CONVEYANCE: None

ROAD TRANSPORT:

UN NUMBER: None
DOT / ADR HAZARD CLASS: None
DOT / ADR LABELS: None
PLACARD: None
DOT / ADR PACKAGING GROUP: None
HAZARD NUMBER – ADR: None
DOT / ADR PROPER SHIPPING NAME: None
EPA HAZARDOUS WASTE CLASS: None
MARINE POLLUTANT: None
DOT REPORTABLE QUANTITY : None

RAIL TRANSPORT:

RID CLASS No.: None
RID PACKING GROUP:

SEA TRANSPORT:

UN NUMBER SEA: None
IMDG CLASS:
IMDG PACKING GROUP:
EmS No.:
MARINE POLLUTANT:
SEA TRANSPORT NOTES:

AIR TRANSPORT:

ICAO CLASS: None
AIR PACKING GROUP:

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

All of the ingredients in this product are TSCA listed.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313

SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material.

The Section 313 chemicals contained in this product are: None.

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: None

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s): None



Massachusetts's hazardous substance(s): None
Pennsylvania hazardous substance code(s): None
New Jersey None

CLEAN AIR ACT AMMENDMENTS (1990), SECTION 112, HAZARDOUS AIR POLLUTANTS:
This substance is a listed Hazardous Air Pollutant None.

CLEAN WATER ACT: None of the chemicals used in the product are listed as a Priority Pollutant in Appendix A to 40 CFR, Part 423—126 Priority Pollutants.

CANADA:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

DSL: All components are included or are otherwise exempt from inclusion on this inventory.

EUROPEAN UNION:

Label for Supply: None
EU Directives: Compliance with Directive 2001/58/EC

This product has been reviewed for compliance with the following European Community Directives: Directive 67/548/EEC, Directive 2001/59/EC, Directive 1999/45/EC, Directive 91/155/EC, and Directive 2001/58/EC.

Note: All components of this product are listed in EINICS.

EINECS: European Inventory of Existing Commercial Chemical Products.

ELINCS: European List of Notified Chemical Substances

Section 16: Other Information

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Pantheon Chemical, Inc.'s knowledge. However, Pantheon Chemical, Inc. makes no warranty whatsoever, expressed or implied, of MERCHANTABILITY or FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from the use thereof. Pantheon Chemical, Inc. assumes no responsibility for the injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

Full Text:

European Community Hazards Identification:

R: 36 Irritant to eyes.

S: (2-) Keep out of the reach of children

S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

Revision Comments: Formatting only
Information Sources: RTECS

Revision Number: 1
Revision Date: 8/15/2006