

SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

PRODUCT NAME: **MetLube® 315**
FORMULA: Preparation/Mixture
PRODUCT USE: MetLube® 315 is a multi-machine, multi-application created with Complex Synthetic technology to outperform other metalworking fluids across a wide range of applications - even cutting oils.

MANUFACTURER'S NAME: Pantheon Enterprises, Inc.
ADDRESS: 225 West Deer Valley Road
Phoenix, AZ 85027 USA
Safety Data Sheet Competent Person: safety@pantheonchemical.com

DISTRIBUTOR'S NAME: Pantheon Enterprises, Inc.
ADDRESS: 225 West Deer Valley Road
Phoenix, AZ 85027 USA

EMERGENCY TELEPHONE NUMBER: Chemtrec 24 hrs: 1-800-424-9300
Information: 623-780-2296
Fax: 623-516-0414

DATE PREPARED: March 11, 2015
DATE REVIEWED: September 28, 2015

Section 2: Hazards Identification

GHS Hazard Class: Skin irritation (Category 2), H315
Serious Eye Damage (Category 1), H318

GHS Label elements, including precautionary statements:

Pictogram:



Signal word:

Danger

Hazard Statement(s):

H315
H318

Causes skin irritation.
Causes serious eye damage.

Precautionary Statement(s):

P102
P103
P264
P280
P302+P352
P305+P351+P338

Keep out of reach of children
Read label before use
Wash skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash before reuse.

P332+P313
P337+P313
P362

Hazard(s) Not Otherwise Classified (HNOC): Not classified

PDOC-30-335 Rev: 4.0

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HAZARD CLASSIFICATION: Not classified as hazardous based on IATA, IMDG, and DOT.
 FIRE AND EXPLOSION: Not considered flammable or combustible.
 POTENTIAL HEALTH EFFECTS: <30 % of mixture consists of ingredients of unknown acute toxicity.

OTHER: None
 CHRONIC EFFECTS OF OVEREXPOSURE: None
 APPEARANCE: Clear amber liquid

NFPA RATINGS:

COMPONENT	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
MetLube® 315	1	0	0	NONE

Section 3: Composition / Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	CANADA DSL
Water	<70	7732-18-5	Y
TS1	<5	Proprietary	Y

Some items on this MSDS may be designated as trade secrets (TS). Bona fide 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 4: First Aid Measures

Description of First Aid Measures

INHALATION: Product does not fume. If overexposed to spray, remove to fresh air. Seek medical attention.
 SKIN CONTACT: Rinse contacted area with water. Remove all exposed clothing and wash before reuse. If skin irritation or rash occurs: Seek medical attention.
 EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. If eye irritation persists: Seek medical attention.
 INGESTION: Rinse out mouth with water. Do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation: No adverse effects are anticipated from inhalation.
 Symptoms/Injuries After Skin Contact: May cause mild skin irritation. Wash thoroughly with soap and rinse with water.
 Symptoms/Injuries After Eye Contact: Irritation may result from contact with the eye. Rinse immediately with water and seek medical advice.
 Symptoms/Injuries After Ingestion: May be harmful if swallowed. Drink large amount of water. Do NOT induce vomiting. Seek medical advice.

Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately.

Section 5: Fire-fighting Measures

Suitable extinguishing media: Product does not burn. Use extinguishing agent suitable for the type of surrounding fire.
 Special hazards arising from the substance or mixture: No data available.

Protective actions fire-fighters

Wear standard protective equipment and self-contained breathing apparatus for firefighting if necessary.

Further information

None.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Wear proper personal protective equipment. Avoid breathing vapors, mist or gas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent spills or contaminated rinse water from entering sewers or watercourses.

Methods and materials for containment and cleaning up

In case of small spills, absorb with inert materials such as earth or dry sand. Place in a chemical waste container.

In case of large spills, dike the spill, if possible. Call emergency services. Absorb the chemical.

Warn other workers of spill.

Reference to other Sections

For personal protection reference section 8. For disposal reference section 13.

Section 7: Handling and Storage

Precautions for safe handling

Do not store in temperatures below 32 °F

Keep container closed when not in use.

Use only with adequate ventilation.

Do not inhale vapors.

Wear proper protective equipment when handling this material.

Avoid prolonged or repeated contact with concentrate on skin, eyes, or clothing.

Wash hands after handling this material.

Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Follow all applicable local regulations for handling and storage.

Utilize chemical segregation from acids.

Specific uses

This product is used as a synthetic metalworking fluid.

Section 8: Exposure Controls/Personal Protection

Control Parameters

The exposure limit values for the product has not been determined.

Exposure controls**VENTILATION:**

Always provide good general, mechanical room ventilation where this chemical is used. No special precautions.

RESPIRATORY PROTECTION:

No special precautions.

PROTECTIVE GLOVES:

Wear chemical impervious gloves at all times while working with this product.

EYE PROTECTION:

Recommend eye protection using safety glasses or goggles.

SKIN PROTECTION:

Wear suitable protective clothing to prevent skin contact

WORK/HYGIENE PRACTICES:

Avoid contact with skin and eyes. Wash hands and face after handling.

PROTECTIVE CLOTHING:

Wear suitable protective clothing to prevent skin contact.

OTHER EQUIPMENT:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

Section 9: Physical and Chemical Properties

APPEARANCE – COLOR:	Clear Amber
PHYSICAL STATE:	Liquid
ODOR:	None
ODOR THRESHOLD:	Data Not Applicable
pH:	9.8-10.2
MELTING POINT/FREEZING POINT:	21 °F (-6 °C) Freezing point
INITIAL BOILING POINT AND BOILING RANGE:	215 °F
FLASH POINT:	Not Applicable for product
EVAPORATION RATE:	<1 (Butyl Acetate =1)
FLAMMABILITY (Solid, gas):	Not Applicable for product
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not Applicable for product
VAPOR PRESSURE:	Slightly less than water
VAPOR DENSITY (AIR = 1):	Not Applicable for product
RELATIVE DENSITY (@25 °C):	1.0
SOLUBILITY (IES):	100% in water
OXIDIZING PROPERTIES:	Data Not Applicable
PARTITION COEFFICIENT: n-octanol/water:	Data Not Applicable
AUTO IGNITION TEMPERATURE:	Data Not Applicable
DECOMPOSITION TEMPERATURE:	Data Not Applicable
VISCOSITY:	Slightly greater than water
CORROSIVE:	No

Section 10: Stability and Reactivity

STABILITY:	Stable.
CONDITIONS TO AVOID:	None
INCOMPATIBILITY (MATERIALS TO AVOID):	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11: Toxicological Information

There is no toxicological information available for the product or mixture.

GHS Required Criteria	Toxicity Criteria	Data	Comments	Chemical Constituent
Acute Toxicity	LD50 Oral Rat	3,000 mg/kg		TS1
	LD50 Oral Mouse	2,825 mg/kg		TS1
	LD50 Dermal Rat	1,190 mg/kg		TS1
Skin Corrosion/Irritation		No information is available		
Serious Eye Damage / Eye Irritation	Human	Irritant to tissue	Strong	TS1
	Human	Irritant to tissue	Strong	TS1
Respiratory or Skin Sensitization		No information is available		
Germ Cell Mutagenicity		No information is available		
Carcinogenicity		No information is available	IARC	
		No information is available	NTP	
		No information is available	OSHA	
		No information is available		
		No information is available		
Reproductive Toxicity		No information is available		
STOST -- Single Exposure		No information is available		
STOST – Repeated Exposure		No information is available		
Aspiration Hazard		No information is available		
Ames test		No information is available		

STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Section 12: Ecological Information

	Environmental Impacts	Chemical Constituents
Toxicity:	No information is available.	Product
Bioaccumulative potential	No information is available.	
Persistence and degradability:	Biodegradable	
Mobility in soil:	No information is available.	
PBT and vPvB assessment:	No information is available.	
Other adverse effects:	No information is available.	

Note: Not all of the ingredients have been tested for ecotoxicity.

Section 13: Disposal Considerations

Waste from residues/unused products

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.

Contaminated packaging

Contaminated packaging material should be disposed of as stated above for residues and unused product.

Rinsate

Do not dispose of rinse water containing product in a sanitary sewer system or stormwater drainage system.

Section 14: Transport Information

DOT TRANSPORT: Not Regulated

ADR = International Carriage of Dangerous Goods by Road Not Regulated

RAIL TRANSPORT: Not Regulated

SEA TRANSPORT: IMDG Not Regulated

AIR TRANSPORT: IATA/ICAO Not Regulated

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and/or orders of TSCA.

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 SDS's that are copied and distributed for the material.

The Section 313 toxic 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):	Not listed
Massachusetts's hazardous substance(s):	TS1
Pennsylvania hazardous substance code(s):	Not listed
New Jersey	TS1

Illinois
Michigan

Not listed
Not listed

CLEAN AIR ACT AMENDMENTS (1990):

SECTION 112, HAZARDOUS AIR POLLUTANTS:

This substance is 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 SDS will be non-compliant 3 years after the issue date. This SDS contains all of the information required by the Controlled Products Regulations (CPR).

WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, Current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to not be WHMIS controlled.

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Regulation (EC) No 1272/2008 on classification, labeling, and packaging (CLP) of substances and mixtures. None of the chemicals used in this product are on the EU's REACH SVHC (Substances of Very High Concern) chemicals list (as of June 16, 2014).

Section 16: Other Information

Revision Number: 4.0
Revision explanation: GHS Compliant, fixed typo, revision date/version updated
Information Sources: RTECS, ECHA, REACH, OSHA 29CFR 1910.1200

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