SAFETY DATA SHEET

Section 1 Product and Company Identification

Product Name:	UNIVERSAL™
Recommend Use:	Pure Synthetic Metalworking Fluid
Issue Date:	March 25, 2020
Revision #	1
Manufacturer	SYNTHETIC LUBRICANTS, INC
Address	1411 Callaghan Drive
	Greenville, MI 48838
Telephone Number:	(800) 848-5823

Section 2 Hazard Identification

WARNING

Hazard Statements: (**IN FULL CONCENTRATION)**

Routes of exposure	Inhalation, Ingestion. Skin contact. Eye contact.
Eyes	Causes eye irritation.
Skin	Causes skin irritation.
Inhalation	Prolonged inhalation may be harmful. Health injuries are not known or expected under normal use.
Ingestion	Do not ingest May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Precautionary Statements:

Eyes:	Irrigate with flowing water immediately for at least 15 minutes. Consult medical assistance.
Skin:	Wash off stock solution residues with running water. Remove contaminated clothing and wash thoroughly. Symptoms may include irritation, redness and itch of the effected area.
Ingestion:	If the victim has ingested the stock solution, administer large amounts of water and consider medical treatment.
Inhalation:	If effects occur, remove to fresh air. Consult medical authorities.

Section 3 Composition/Information

CAS#	Name of Ingredient:	Percentage
102-71-6	Alkanolamine	<30%
Other components below reportable levels		60% - 100%

Exact percentage (concentration) of composition has been withheld as trade secret

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Section 4 First-Aid

Eyes: Irrigate with flowing water immediately for at least 15 minutes. Consult medical assistance.

Skin: Wash off stock solution residues with running water. Remove contaminated clothing and wash thoroughly. Symptoms may include irritation, redness and itch of the effected area.

Ingestion: If the victim has ingested the stock solution, administer large amounts of water and consider medical treatment.

Inhalation: If effects occur, remove to fresh air. Consult medical authorities.

Section 5 Fire & Explosion Data

Flash Point: None

Flammable Limits: LFL & UFL Not Determined

Fire Fighting Equip: This water-based product will not burn. It will produce irritating and potentially toxic fumes containing oxides of nitrogen if exposed to extreme heat in air. If fire situation, respiratory protection should be considered.

Extinguishing Media: Water based product

General Fire Hazards No unusual fire or explosion hazards noted

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Section 6 Accidental Release

Leaks & Spills: Dilute small spills with quantities of water and discard to the sanitary sewer with authorization. This product contains trace amount of residual alkanolamines.

For large spills: contain with absorbent materials and institute clean-up efforts to recover the spilled liquid outlined in facility control plan.

Disposal Method: Follow all local, State, and Federal regulations.

Section 7 Handling and Storage

Storage: Do not store the stock solution under freezing conditions.

Store drums in a dry place in a temperature range of 40° to 100° Fahrenheit

Wash hands after handling. Do not eat, drink or smoke while handling this product.

Transportation: Is not regulated as a hazardous material

Section 8 Exposure Controls/ Personal Protection

Exposure Guideline: OSHA has established an exposure standard for the active alkanolamine salts ingredient in the air which is: Threshold Limit Value (TLV): 3.00ppm

Under normal use conditions, this product is a very dilute aqueous solution that makes it unlikely that any user will experience the concentration level of alkanolamine derivatives approaching this OSHA limit.

Ventilation: General good ventilation should be acceptable for most situations. If vapors are generated in use conditions, local exhaust should be considered.

Respiratory Protection: None should be needed.

Skin Protection: Under normal use none should be needed. However, for sensitive individuals, gloves may be indicated when mixing solution.

Eye Protection: Eye contact with the stock product should be avoided. Wear appropriate eye protection.

Section 9 Physical and Chemical Properties

Appearance: Clear Almond Liquid

Odor: Odorless

Vapor Pressure: As Water

Auto-ignition Temperature: N/A

Freezing Point: 32º F

Boiling Point: As water

Evaporation Rate: As Water

Specific Gravity: 1.3 kg/l

Percent Volatiles by Volume: Not determined

Solubility in Water: Completely Miscible

pH Level: Slightly alkaline, pH 8-8.6 in full concentrate

VOC: .160 g/l in full concentrate

Flammability/Explosive Limits: N/A

Relative Density: N/A

Flash Point: N/A

Vapor Density: Not Determined

Decomposition Temperature: N/A

Section 10 Stability and Reactivity

Stability: (Conditions to Avoid) Stable under normal use conditions and in final use concentration.

Incompatibility: (Materials to Avoid) Product concentrate behaves as an aqueous solution. Product may be degraded by exposure to acid materials. Some components of the product concentrate are reactive with oxidizing or reducing materials but in the diluted working solution, this should not be a problem. Use on Magnesium is not recommended, therefore, Synthetic Lubricants, Inc. is not responsible for customers that use this product on Magnesium.

Hazardous Decomposition Products: Under proper use conditions, this product is a very dilute solution of the active ingredients. Extremely small amount of oxides of nitrogen and carbon are released as the product is subjected to combustion situations.

Hazardous Polymerization: Will not occur.

Section 11 Toxicological Information

Avoid unnecessary skin and eye contact with stock product, as supplied. Avoid breathing any vapors that are generated by stock product. Do not contaminate food or drink. This product is not thought to be a serious carcinogenic threat. The active ingredient in this product has not been listed by OSHA, ACGIH, National Cancer Institute (NC), National Toxicology Program (NTP), the Environmental Protection Agency (USEPA) or the International Agency for Research on Cancer (IARC) as a carcinogen. While the concentrated form of the active ingredient in this product is a skin and inhalation irritant, the actual concentration found in the eventual working solution are very dilute reducing the hazard potential of the active alkanolamine ingredients to the level of insignificant.

Section 12 **Ecological Information***

Section 13 **Disposal** (see Section 6)

Section 14 **Transport Information** (see Section 7)

Section 15 **Regulatory Information***

Section 16 **Other Information**

The information in this SDS was obtained from sources that we believe are reliable. However, this information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness of this information.
The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For these and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of this product once sold and delivered.

Date of Preparation: March 25, 2020
HMIS ratings Health: 1
Flammability: 0
Physical hazard: 0

Revision Number: 1
NFPA ratings Health: 1
Flammability: 0
Instability: 0

* Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200(G) (2)).