



Safety Data Sheet

UniSol 600 Metalworking Fluid Series

MSDS #16-28-18A

Date Prepared: 10/05/15

Page 1 of 2

1 Product And Company Identification

Product Identifier : Unisol 600 Metalworking Fluid Series

Other Means of Identification:

SDS# 16-28-18

Recommended Use of the Chemical and Restriction on Use: Wide range of machining applications.

Details of the Supplier of the Safety Data Sheet:

Supplier Address

Universal Oil
265 Jefferson Ave
Cleveland, OH 44113
sales@universaloil.com

Emergency Telephone Numbers

Company Phone Numbers

1-216-771-4300

Emergency Telephone

1-800-362-1530

2 Hazards Identification

Appearance:	Clear / Amber
Odor:	Bland
Warning Statement:	None considered necessary

Potential Health Effects

Primary Route Of Exposure			
Eye	Skin	Inhalation	Ingestion
X	X	X	

- Inhalation:** Vapors or mist in high concentrations, as generated from spraying or heating in an enclosed space, may cause minimal irritation.
- Skin:** Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.
- Eye:** May cause minimal irritation, experienced as a temporary discomfort.
- Ingestion:** If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Carcinogen listed by – IARC (No) NTP (No) OSHA (No) ACGIG (No). Pre-existing medical conditions aggravated by exposure-skin disorders.

3 Composition/Information on Ingredients

The criteria for listing components in the composition section is as follows: Carcinogens are listed when present at 0.1% or greater; Components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Ingredients not

precisely identified are either proprietary or nonhazardous. Values are not product specifications.

CAS Number	% Concentration	Chemical Name
64742-52-5	>60	Petroleum Distillates
4719-04-4	2-5	Biocide

4 First Aid Measures

- Eyes:** Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.
- Skin:** Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists. Wash clothing before reuse.
- Ingestion:** If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.
- Inhalation:** If irritation, headache, or drowsiness occurs, remove to fresh air.

5 Fire Fighting Measures

Ignition Temperature-AIT:	Not Determined
Flash Point:	330°F min
Flammable Limits (%):	Lower Upper Not Determined Not Determined
Extinguishing Media:	Use water spray, dry chemical, foam, or carbon dioxide.
Fire & Explosion Hazards:	Can be made to burn. (Flash Point Greater Than 200°F).
Special Fire Fighting Instructions:	Wear self-contained breathing apparatus. Wear structural firefighters protective clothing.

Ratings	Health	Fire	Reactivity
NFPA	1	1	0
HMIS	1	1	0

Specific Hazard: None Known

6 Accidental Release Measures

Contain spill: Use personal protective equipment stated in Section 8. Advise EPA or state agency if required. Absorb on inert material. Shovel, sweep, or vacuum spill.

7 Handling & Storage

- Precautions to be taken in handling:** Wash thoroughly after handling.
- Storage:** Store indoor at temperatures of 30 - 80°F. Brief periods of 90-110°F are acceptable.



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Page 2 of 2

8 Exposure Control/Personal Protection

Consult with a Health/Safety professional for specific selection.

- **Ventilation:** Ventilate as needed to comply with exposure limit. Mechanical ventilation recommended.
- **Eye:** Splash proof chemical goggles recommended to protect against splash of product.
- **Gloves:** Protective gloves recommended when prolonged skin contact cannot be avoided. The following glove materials are acceptable: polyethylene, neoprene; nitrile; viton.
- **Respirator:** Concentration in air determines protection required. Use only NIOSH certified respiratory protection. Respiratory protection usually not needed unless product is heated or misted.
- **Other:** If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyethylene; neoprene; vitrile; viton, polyurethane. Launder soiled clothes.

9 Physical & Chemical Properties

Physical State:	Liquid
Appearance:	Clear / Light
Odor:	Bland
Odor Threshold:	N/E
Specific Gravity:	0.95 – 1.00
Viscosity:	<300 SUS @ 100°F
Solubility in Water:	Complete
Vapor Pressure	N/E
pH:	8.5-9.2 @ 10%
% Volatile by Volume:	NE

10 Stability & Reactivity

Chemical Stability:	Stable
Incompatible Materials:	Strong Oxidizers
Hazardous Decomposition:	Carbon oxides & asphyxiates
Polymerization:	Will not occur

11 Toxicological Information

This product contains no components present at concentrations equal to or greater than 0.1% listed by IARC, OSHA, NTP or ACGIH as a carcinogen.

12 Ecological Information

No data available.

13 Disposal Considerations

Follow federal, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used", RCRA criteria (ignitability, reactivity, corrosivity, toxicity characteristics) must be determined. Do not flush to drain/storm sewer. Contract to authorized disposal service.

14 Transportation Information

DOT:	Proper Shipping Name	Petroleum Lubricating Oil
	Hazard Class	Not Regulated
	Identification Number	Not Regulated
	Label Required	Not Regulated
IMDG:	Proper Shipping Name	No Data Available
IATA:	Proper Shipping Name	No Data Available

15 Regulatory Information

SARA 302 Threshold Planning Quantity:	N/A
SARA 304 Reportable Quantity:	N/A
SARA 311 Hazardous Classification:	NA
SARA 313 Toxic Chemical:	This product does not contain any chemicals subject to the reporting requirements.

16 Other Information

We assigned NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is the most aware of the application of the product, he must ensure that the proper personal protective equipment is provided consistent with the information contained in the product MSDS.

Comments: The information contained herein is believed to be accurate, but it is not warranted to be whether originating within the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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Prepared By	Date Prepared
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