

SAFETY DATA SHEET

Revision: 1.02 US ( EN )

Issuing date: 01/17/18

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : Cutting Fluid P/N 71172

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Uses of the Substance / Mixture : Coolant for cutting and grinding Metal

**1.3 Details of the supplier of the safety data sheet**

Company: :  
The Maintenance Connection  
31 Washington Ave  
SCARBOROUGH ME, 04070  
(207) 857-9220

**1.4 Emergency telephone**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: Info Trac (800)-535-5053

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**SECTION 2: Hazards identification**

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

**2.1 Classification of the substance or mixture**

**HCS 2012 (29 CFR 1910.1200)**

Skin irritation, Category 2  
Serious eye damage, Category 1

H315: Causes skin irritation.  
H318: Causes serious eye damage.

**2.2 Label elements**

**HCS 2012 (29 CFR 1910.1200)**

Pictogram :



Signal Word : Danger

**Hazard Statements:**

H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Precautionary Statements:**

Prevention  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protection/ face protection.  
P280 Wear protective gloves.

Response  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.

**2.3 Other hazards which do not result in classification**

no data available

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**SECTION 3: Composition/information on ingredients**

**3.1 Substance**

Chemical nature : Polyoxyethylene phenyl ether phosphate

**Hazardous Ingredients and Impurities**

Chemical Name	Identification number CAS-No.	Concentration [%]
Polyethylene Glycol Phenyl Ether Phosphate	39464-70-5	20-30
Polyethylene Phenyl Ether	9004-78-8	0-5
Inorganic Phosphate	Mixture	0-5

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**Non Hazardous Ingredients and Impurities**

Chemical Name	Identification number CAS-No.	Concentration [%]
Water	7732-18-5	< 1

**3.2 Mixture**

Not applicable, this product is a substance.

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## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

- General advice : Show this material safety data sheet to the doctor in attendance.  
First responder needs to protect himself.  
Place affected apparel in a sealed bag for subsequent decontamination.
- If inhaled : If inhaled, remove to fresh air.  
Consult a physician if necessary.
- Skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with plenty of water.  
Wash immediately and thoroughly for a prolonged period (at least 15 minutes).  
Call a physician if irritation develops or persists.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get immediate medical advice/ attention.
- Ingestion : Do NOT induce vomiting.  
Rinse mouth with water.  
Keep at rest.  
Get immediate medical advice/ attention.

### 4.2 Most important symptoms and effects, both acute and delayed

- Risks : Skin contact may aggravate existing skin disease  
Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician : All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
- Treat symptomatically.  
There is no specific antidote available.

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## SECTION 5: Firefighting measures

- Flash point : > 300 °F (> 149 °C)  
closed cup
- Flammability class: Will burn
- Autoignition temperature : no data available
- Flammability / Explosive limit : no data available

### **5.1 Extinguishing media**

Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO2)  
Dry chemical

Unsuitable extinguishing media : High volume water jet  
(frothing possible)

### **5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire fighting : Under fire conditions:  
Will burn  
On combustion, toxic gases are released.  
Hazardous decomposition products formed under fire conditions.  
Carbon oxides  
Oxides of phosphorus

### **5.3 Advice for firefighters**

Special protective equipment for fire-fighters : Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions, protective equipment and emergency procedures : Avoid contact with the skin and the eyes.  
Do not allow uncontrolled discharge of product into the environment.  
Personal protective equipment  
Wear suitable protective equipment.  
Wear suitable gloves.  
Safety glasses  
Face-shield  
Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

### **6.2 Environmental precautions**

Environmental precautions : Dam up.  
Do not let product enter drains.  
Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies

### **6.3 Methods and materials for containment and cleaning up**

- Recovery : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).  
Pump up the product into a suitably labeled spare container.  
Keep in suitable, closed containers for disposal.
- Decontamination / cleaning : Wash off with plenty of water.  
Decontaminate tools, equipment and personal protective equipment in a segregated area.
- Disposal : Recover the cleaning water for subsequent disposal.  
Dispose of in accordance with local regulations.
- Prohibition : Never return spills in original containers for re-use.
- Additional advice : Material can create slippery conditions.

### **6.4 Reference to other sections**

no data available

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

- Technical measures : Does not require any specific or particular measures.
- Advice on safe handling and usage : Handle in accordance with good industrial hygiene and safety practice.  
  
Avoid the formation or spread of mists in the atmosphere.  
Avoid any direct contact with the product.  
  
Ethylene oxide may collect in container head space.  
Do not use in areas without adequate ventilation.
- Hygiene measures : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:  
1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.  
2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.  
3) Wash exposed skin promptly to remove accidental splashes or contact with material.

## **7.2 Conditions for safe storage, including any incompatibilities**

Technical Measures for storage : Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

### **Storage conditions**

Recommended : Stable under normal conditions.  
Keep in a well-ventilated place.  
Keep in a dry, cool place.

To be avoided : Keep away from open flames, hot surfaces and sources of ignition.  
Keep away from incompatible materials to be indicated by the manufacturer

Incompatible products : Strong bases  
Strong oxidizing agents  
Strong reducing agents.

### **Packaging Measures**

Packaging materials—Recommended : Plastic materials., Polyethylene

### **Storage stability**

Storage temperature : 39 - 120 °F (4 - 49 °C)

Other data : The product may become colored over a period of time. This does not affect its properties.

## **7.3 Specific end use(s)**

no data available

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## **SECTION 8: Exposure controls/personal protection**

### **Introductory Remarks:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

### **8.1 Control parameters**

#### **8.2 Exposure controls**

##### **Control measures**

Engineering measures : Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures :

Provide adequate ventilation.  
Avoid splashes.

## Personal protective equipment

### Respiratory protection

: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations.

Use a respirator with an approved filter if a risk assessment indicates this is necessary.

### Hand protection

: Glove material: Neoprene gloves

Where there is a risk of contact with hands, use appropriate gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

- Eye protection : Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.
- Eye contact should be prevented through the use of:
- Goggles  
Face-shield
- Skin and body protection : Light coverall.  
Complete suit protecting against chemicals
- Hygiene measures : Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this materials:
- 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
  - 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
  - 3) Wash exposed skin promptly to remove accidental splashes or contact with material.
- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
- The protective equipment must be selected in accordance with current local standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.

## SECTION 9: Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

### **9.1 Information on basic physical and chemical properties**

- Appearance : Form : viscous  
Physical state: liquid  
Color: colorless to pale yellow. Over a period of time, the product turns brown
- Odor : characteristic
- Odor Threshold : no data available
- pH : 8.0 +/- 1 Aqueous solution
- Freezing point : 32 °F



Boiling point/boiling range	:	220 F
Flash point	:	> 300 °F (> 149 °C) closed cup
		Flammability class: Will burn
Evaporation rate (Butylacetate = 1)	:	no data available
Flammability (solid, gas)	:	no data available
Flammability (liquids)	:	no data available
Flammability / Explosive limit	:	no data available
Autoignition temperature	:	no data available
Vapor pressure	:	no data available
Vapor density	:	no data available
Density	:	1.0 - 1.23 g/cm <sup>3</sup> ( 77 °F (25 °C))
Solubility	:	<u>Water solubility</u> : soluble
		<u>Solubility in other solvents:</u> organic polar solvents : soluble
		Aromatic hydrocarbons : soluble
Partition coefficient: n-octanol/water	:	no data available
Thermal decomposition	:	no data available
Viscosity	:	no data available
Explosive properties	:	no data available
Oxidizing properties	:	No information available.

### **9.2 Other information**

no data available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

no data available

### **10.2 Chemical stability**

Chemical stability : Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

Polymerization : Hazardous polymerization does not occur.

### **10.4 Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.

### **10.5 Incompatible materials**

Materials to avoid : Strong bases  
Strong oxidizing agents  
Strong reducing agents.

### **10.6 Hazardous decomposition products**

Decomposition products : On combustion or on thermal decomposition (pyrolysis), releases:  
(Carbon oxides (CO + CO<sub>2</sub>)).  
Oxides of phosphorus

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## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Acute oral toxicity : LD50 : > 5,000 mg/kg - Rat  
Information given is based on data obtained from similar substances.  
Unpublished internal reports

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Acute toxicity (other routes of administration) : no data available

#### **Skin corrosion/irritation**

Skin irritation : Irritating to skin.  
Unpublished internal reports

#### **Serious eye damage/eye irritation**

Eye irritation : Risk of serious damage to eyes.  
Severe eye irritation  
Unpublished internal reports

**Respiratory or skin sensitization**

Sensitization : Not classified as sensitizing by skin contact  
 By analogy  
 Information given is based on data obtained from similar substances.  
 Unpublished internal reports

**Mutagenicity**

Genotoxicity in vitro : Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
 with and without metabolic activation  
 negative  
 By analogy  
 Product is not considered to be genotoxic  
 Information given is based on data obtained from similar substances.  
 Unpublished internal reports

Genotoxicity in vivo : no data available

**Carcinogenicity**

Carcinogenicity : no data available

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP  
 IARC  
 OSHA  
 ACGIH

**Toxicity for reproduction and development**

no data available

Developmental Toxicity/Teratogenicity

Published data

**STOT**

STOT-single exposure  
 Phosphoric acid Toxicology Assessment:  
 The substance or mixture is not classified as specific target organ toxicant,  
 single exposure.

STOT-repeated exposure : No information available.

Carcinogenicity  
 Phosphoric acid : Not classifiable as a human carcinogen.

Mutagenicity  
 Phosphoric acid : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Teratogenicity  
 Phosphoric acid : No evidence of adverse effects on sexual function and fertility, and on  
 development, based on animal experiments.

Reproductive toxicity  
 Phosphoric acid : No evidence of adverse effects on sexual function and fertility, and on  
 development, based on animal experiments.

**Aspiration toxicity**

Aspiration toxicity : no data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Aquatic Compartment**

No Data Available

Toxicity to aquatic plants

No Data Available

#### **Ecotoxicity assessment**

Acute aquatic toxicity

: The product does not have any known adverse effects on the aquatic organisms tested

### 12.2 Persistence and degradability

#### **Biodegradability**

Biodegradability

: Inherently biodegradable.

#### **Degradability assessment**

Degradability assessment

Phosphoric acid

: The product is not considered to be rapidly degradable in the environment

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

: Not applicable, Surface-Active.

Bioconcentration factor (BCF)

Phosphoric acid

: Does not accumulate in organisms.  
internal evaluation  
Not applicable, inorganic substance

#### **12.4 Mobility in soil**

Known distribution to environmental compartments : Ultimate destination of the product: Water  
Ultimate destination of the product: Sediment

#### **12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment  
Phosphoric acid : Not applicable, inorganic substance

#### **12.6 Other adverse effects**

Environment assessment : Not classified as Dangerous for the Environment

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### **SECTION 13: Disposal considerations**

#### **13.1 Waste treatment methods**

##### **Product Disposal**

Advice on Disposal : Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Waste Code : EPA:  
Hazardous Waste – YES

##### **Advice on cleaning and disposal of packaging**

Measures for waste avoidance. : Do not dispose of the product at a dump.

Advice : Completely empty the packaging prior to decontamination.  
Carefully drain and then steam clean.

Reason for waste disposal : Recycle following cleaning.  
Dispose of contents/ container to an approved waste disposal plant.

Other data : Dispose of in accordance with local regulations.

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### **SECTION 14: Transport information**

##### **DOT**

not regulated

**TDG**  
not regulated

**IMDG**  
not regulated

**IATA**  
not regulated

Protect from frost.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

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## SECTION 15: Regulatory information

### 15. Federal Regulations

#### SARA 311/312 Hazards

Fire Hazard	no
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	no

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
1,4-Dioxane	123-91-1	100 lb
Phosphoric acid	7664-38-2	5000 lb
Ethylene Oxide	75-21-8	10 lb
Unlisted hazardous wastes - Characteristic of Corrosivity		100 lb

##### SARA 304 Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
Ethylene Oxide	75-21-8	10 lb

##### SARA 302 Reportable Quantity

Ingredients	CAS-No.	Reportable quantity
Ethylene Oxide	75-21-8	10 lb

### **15.3 State Regulations**

#### **California Prop 65**

: WARNING! This product contains a chemical known in the State of California to cause cancer.  
1,4-Dioxane  
Ethylene Oxide

WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.  
Ethylene Oxide

No Significant Risk Levels (NSRLs) have been established for the following:  
1,4-Dioxane  
Value : 30 micrograms per day

Ethylene Oxide  
Value : 2 micrograms per day

### **SECTION 16: Other information**

#### **NFPA-Classification**

Health : 1 moderate  
Flammability : 0 slight  
Instability or Reactivity : 0 minimal

#### **HMIS-Classification**

Health : 1 moderate  
Flammability : 0 slight  
Reactivity : 0 minimal

#### **Further information**

Date Prepared : 01/18/2018  
Further information : Product classified under the US GHS format.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.