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

### 1.1 Product identifiers

Product name : **CURTIS S-8030**

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

Identified uses : Metalworking fluid - emulsifiable

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

Company : CURTIS FLUIDS  
2950 PRAIRIE ST., SW  
SUITE 900  
GRANDVILLE, MI  
49418 USA  
Telephone : 1-616-452-5797  
Fax : 1-616-452-5640

### 1.4 Emergency Telephone Number

Emergency Phone # : 1-616-452-5797

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## SECTION 2: Hazards Identification

### 2.1 Classification of the substance or mixture

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**  
Not Hazardous

### 2.2 Label Elements

Hazard Symbols : No symbol  
Signal Word : No signal word  
Hazard Statements : This product does not require any hazard statements  
Precautionary Statements : This product does not require any precautionary statements

**2.3 Other Hazards** : Used product may contain harmful impurities.

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## SECTION 3: Composition/information on ingredients

### Mixtures

Chemical nature of the product : Lubricant, emulsifiers, additives

### Concentrations of Ingredients

Material	CAS No.	Percent
Triethanolamine	102-71-6	5 - 10 %

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General Information** : Not expected to be a health hazard when used under normal conditions.
- Eye Contact** : Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist obtain medical attention.
- Skin Contact** : Wash off with soap and water; remove all contaminated clothes and shoes.
- Ingestion** : Gently wipe or rinse the inside of the mouth with water. In general no treatment is necessary unless large quantities are swallowed, however obtain medical advice. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
- Inhalation** : Move to fresh air. No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.

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

Ingestion may result in nausea, vomiting, and or diarrhea.

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

Immediate medical attention not required under normal conditions of use.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use water in a jet.

**5.2 Specific hazards arising from the substance or mixture**

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

**5.3 Advice for Firefighters**

Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

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**SECTION 6: Accidental release measures**

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

Avoid contact with skin and eyes. Ensure adequate ventilation to maintain mist below control parameters in section 8.1

**6.2 Environmental precautions**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent the material from spreading and entering drains by using sand, earth, or other barriers.

**6.3 Methods and material for containment and cleaning up**

Slippery when spilt. To avoid accidents, clean up immediately. Contain spillage, and then collect with dry inert absorbent material and place in container for disposal according to local / national regulations.

**6.4 Additional Advice**

Refer to protective measures listed in section 7 and 8. For disposal see section 13.

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**SECTION 7: Handling and storage**

**General Precautions**

Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials to prevent fires.

- 7.1 Precautions for safe handling**  
Handle in accordance with good industrial hygiene and safety practice.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed and in a cool place.

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

**8.1 Control parameters**

**Occupational Exposure Limits**

Material	CAS No.	TLV or PEL
Triethanolamine	102-71-6	5 mg/m <sup>3</sup>

**Biological limit values**

Data not available

**8.2 Appropriate engineering controls**

Wash hands before breaks and at the end of workday.

Maintain air concentrations below occupational exposure standards.

Remove and wash contaminated clothing before re-use.

Material can create slippery conditions.

**Control of environmental exposure**

Stop leak or spill if possible. Prevent material from entering drains.

**8.3 Individual protective measures such as personal protective equipment**

**Eye Protection**

Wear tightly fitting safety goggles or face shield if splashes are likely to occur.

**Hand Protection**

Where hand contact with the product may occur the use of gloves approved to relevant standards may provide suitable protection: PVC, neoprene or nitrile rubber gloves. Gloves should only be worn on clean hands.

**Skin Protection**

Skin protection not ordinarily required beyond standard issue work clothes.

**Respiratory Protection**

No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. In case of insufficient ventilation wear suitable respiratory equipment with filter for organic vapor.

**SECTION 9: Physical and Chemical Properties**

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

- a) Appearance : Transparent blue fluid
- b) Odour : No data available
- c) Odour Threshold : No data available
- d) pH : 9.50

- e) Melting point/freezing point : No data available
- f) Initial boiling point and boiling range : 212 °F
- g) Flash point : Water based. Will not flash at boiling point.
- h) Evaporation rate : No data available
- i) Flammability (solid, gas) : No data available
- j) Upper/lower flammability or explosive limits : Upper explosion limit: no data available  
Lower explosion limit: no data available
- k) Vapor pressure : No data available
- l) Vapor density (air=1) : No data available
- m) Relative density : 1.06 g/mL at 25 °C / 77 °F
- n) Water solubility : Soluble
- o) Partition coefficient: n-octanol/water : No data available
- p) Auto-ignition Temperature : No data available
- q) Decomposition Temperature : No data available
- r) Kinematic Viscosity : No data available

**9.2 Other Information** : Not applicable

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

### **Reactivity**

Data not available.

### **Chemical stability**

Stable under normal conditions.

### **Possibility of hazardous reactions**

None under normal processing. Reacts with strong oxidizing agents.

### **Conditions to Avoid**

Extremes of temperature and direct sunlight.

### **Incompatible Materials**

Strong oxidizing agents.

### **Hazardous decomposition products**

Hazardous decomposition products are not expected to form during normal storage.

## **SECTION 11: Toxicological information**

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

#### **Basis for assessment**

Information given based on data on the components and toxicology of similar products.

**Likely routes of exposure**

Skin and eye contact are primary routes of exposure. Exposure may occur following accidental ingestion.

**Acute toxicity**

Expected to be of low toxicity.

**Skin corrosion/irritation**

Not expected to be irritating under normal usage.

**Serious eye damage/eye irritation**

Expected to be slightly irritating.

**Respiratory or skin sensitization**

Inhalation of vapors or mists may cause irritation.

**Germ cell mutagenicity**

Not considered a mutagenic hazard.

**Carcinogenicity**

No component of this product is identified as a probable, possible, or confirmed carcinogen by IARC, NTP, Monographs, or OSHA.

**Reproductive toxicity**

Not expected to be a hazard.

**Specific target organ toxicity - single exposure**

Not expected to be a hazard.

**Specific target organ toxicity - repeated exposure**

Not expected to be a hazard.

**Aspiration hazard**

Not considered an aspiration hazard.

**Additional Information**

Used fluid may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and may present risks to health and the environment on disposal. Used fluid should be handled with caution and skin contact should be avoided when possible.

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**SECTION 12: Ecological information****12.1 Toxicity****Eco-toxicity effects**

Ecotoxicological data have not been determined specifically for this product. Information is based on a knowledge of the components and ecotoxicology of similar products. Expected to be practically nontoxic: LL/EL/IL50 > 100mg/l (to aquatic organisms).

**12.2 Persistence and degradability**

No information available

**12.3 Bioaccumulative potential**

No information available

**12.4 Mobility in soil**

No information available

**12.5 Other adverse effects**

No information available

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**SECTION 13: Disposal Considerations****13.1 Waste treatment methods****Product Disposal**

Recover or recycle if possible. Dispose in accordance with applicable regulations. Do not dispose into the environment, in drains, or in water courses.

**Contaminated packaging**

Dispose in accordance with applicable regulations, preferably to a recognized collector or contractor.

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**SECTION 14: Transportation information**

UN number : Not applicable  
UN proper shipping name : Not applicable  
Transport hazard classes : Not applicable  
Packing group : Not applicable  
Environmental hazards : Not applicable  
Special precautions : Not applicable

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**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of 29 CFR 1910 (OSHA HCS)

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Not available

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**SECTION 16: Other Information**

**HMIS Rating**

HEALTH : 1  
FLAMMABILITY : 0  
REACTIVITY : 0  
PERSONAL PROTECTION : B

TLV = Threshold Limit Exposure (ACGIH)

PEL= Permissible Exposure Limit (OSHA)

**Preparation Date** : 5/20/2015

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

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