Material Safety Data Sheet

Section 1. Identification of the chemical and supplier

Product Name: Cutting Coolant **Synonyms:**
commodity code: TJ 1220
(M)SDS Number: 1010EN
Relevant identified use(s): Laboratory Use Only
Emergency telephone number: 13814829868（24h）
Name of the company: Trojan (Suzhou) Material Technology Co., Ltd
Address of the company: Building 26, No. 228 Gongtang Road Luzhi Town,Wuzhong District, Suzhou, China
Post code: 215000 Fax number: 0512-67508229
Telephone number: 0512-67580617
E-mail address: sales@trojanchina.com

Section 2. Hazards identification

Hazard classification according to GHS:

Acute Toxicity –Inhalation	**Category 1**	**(H304)**

Hazard pictograms**:**



Signal word: Danger

Hazard statements:
H304 - Swallowing and entry into the respiratory tract may cause serious harm

Precautionary statements:

1. **Prevention:**

-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
-Do not eat, drink or smoke when using this product.
-Wear protective gloves/protective clothing/eye protection/face protection.
- Store in a well-ventilated place. Keep container tightly closed.

2. **Response:**

- In case of fire: use suitable extinguishing equipment to extinguish the fire.
- If swallowing: rinse mouth, prompt vomiting, seek medical advice as soon as possible.
- In case of contact with eyes: open eyelids while standing, flush contaminated eyes with gentle water.
-If skin contacting: rinse clean with water.

3. **Storage:**

- Store in a well-ventilated place. Keep container tightly closed.

4. **Disposal:**

- Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3. Composition/information on ingredients

Name： Cutting Fluid

Substances

Chemical name	EC No.	CAS No.	Weight-%
Glycerol	**200-289-5**	**56-81-5**	30-40
Ethane-1,2-diol	**203-473-3**	**107-21-1**	20-30
Water	**231-791-2**	**7732-18-5**	20-40

Section 4. First-aid measures

General advice: Immediate medical attention is required. Show this material safety data sheet (MSDS) to the doctor in attendance .

Description of necessary first-aid measures

If inhaled

Fresh air, rest.

Following skin contact

Rinse skin with plenty of water or shower. Rinse skin with plenty of water or shower.

Following eye contact

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.

Following ingestion

Rinse mouth. Rinse mouth.

Most important symptoms/effects, acute and delayed

Difficulty in breathing, coughing and/or wheezing and dizziness.

Advice for protecting the rescuer

Remove all sources of fire. Ensure that health care personnel are aware of the materials involved, take their own protective measures and prevent the spread of contamination, wear personal protective clothing and avoid direct contact with skin. Use isolation items during mouth-to-mouth resuscitation and personal protective equipment as required.

Special note to the doctor

Because of the risk of inhalation, vomiting or gastric lavage should not be taken unless the reason for the risk is the presence of another toxic substance.

Section 5. Firefighting measures

Suitable extinguishing media: Chemical dry powder, carbon dioxide (CO_2), water spray, soluble foam.

Specific hazards arising from the substance or mixture Special hazards caused by chemicals. Products and empty containers should be kept away from heat and fire sources.In case of fire, spray the tank to cool it.
Special fire extinguishing procedure: N.A.
Special protective actions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full fire fighting clothing and use personal protective equipment.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Evacuate personnel to safe areas and use personal protective equipment as required. Take precautions against electrostatic discharge, do not touch or pass through leaking material, and ensure adequate ventilation.
Environmental precautions: To prevent further leakage or spillage as far as is safe and practicable.
Methods and materials for containment and cleaning up **Methods for containment**: If you can do this without risk, stop the leak, do not touch or pass through the leaking material, and build embankments far away from the leaking fluid for subsequent disposal. **Methods for cleaning up**: Precautions for electrostatic discharge are dammed, absorbed with inert absorbent material, collected and transferred to appropriately labeled containers.

Section 7. Handling and storage

Precautions for handling Use personal protective equipment, do not breathe steam or smoke, away from heat source/spark/flame/hot surface. Do not smoke, take precautions against electrostatic discharge, and use local exhaust ventilation.
Precautions for storage Keep container tightly closed and in a dry, cool and well ventilated place. Keep away from heat sources, sparks, flames and other ignition sources (i.e. lights, motors and static electricity) and store in appropriately labeled containers. Storage in accordance with specific national regulations, storage in accordance with local regulations, storage place must be locked. Store out of reach of children. Keep away from other materials.
Operation cautions Do not eat, drink or smoke when using this product. Do not take contaminated work clothes out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before rest and immediately after handling the product.

Section 8. Exposure controls/personal protection

Engineering control: N.A. **Occupational Exposure limit values**: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Control parameters - 8 hours daily average admissible concentration/short time average admissible concentration/maximum admissible concentration：N.A. - biological indicator：N.A.
Personal protection equipment - Breath protection: No special requirements. -Hand protection: Avoid direct contact and wear protective gloves. -Eye protection: Tightly sealed goggles. If splashing is a possibility, wear safety glasses with a side guard. -Skin and body protection**:** No special requirements.
Hygiene measures: Air pollution control requirements.

Section 9. Physical and chemical properties

Appearance: Light yellow to yellowish green liquid	**Odor**: N.A.
Odor threshold: N.A.	**Melting point/freezing point :** 0℃
pH: 7	**Initial boiling point and boiling range**:182℃
Vapor pressure:6mmHg	**Vapor density :**N.A.
Relative density:1.05	**Solubility: Miscible with water**

Section 10. Stability and reactivity

Stability and reactivity	
Stable at room temperature	
The explosion of data	N.A.
Sensitive to mechanical impact	N.A.
Sensitive to electrostatic discharge	N.A.
Possible hazardous reactions under special circumstances: could not occur	
Conditions to avoid: Incompatible materials, heat, flame and spark	
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced	

Section 11. Toxicological information

exposure pathways: eye/ ingestion
Symptom: **Inhalation**: Specific test data for this substance or mixture are not available. Inhalation can cause severe lung damage and can lead to pulmonary edema, which can be fatal. May cause respiratory irritation. **Eye contact:** Specific test data for this substance or mixture are not available. May cause irritation. **Skin contact:** Drying-out effect resulting in rough and chapped skin. **Ingestion**: Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Information on toxicological effects:	
Symptoms: Difficulty in breathing, coughing and/or wheezing and dizziness.	
Chronic or chronic toxicity:	
Delayed and immediate effects as well as chronic effects from short and long-term exposure:	
Skin corrosion/irritation	No information available
Severe eye injury/eye irritation	No information available
Respiratory or skin sensitization	No information available
Germ cell mutagenesis	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
STOT -single exposure	No information available
STOT -repeated exposure	No information available
Aspiration Hazard	Swallowing and entry into the respiratory tract can be fatal

Section 12. Ecological information

Ecotoxicity: No information available.
Persistence and Degradability: No information available.
Bioaccumulation: No information available.
Mobility in soil: No information available.
Other adverse effects: No information available.

Section 13. Disposal considerations

Waste treatment methods:	
Residues/waste from unused products	Dispose of waste in accordance with local regulations and environmental regulations.
Contaminated Packaging	No information available.

Section 14. Transport information

Special Name for Transport: Container bottles are not specified for <110 Gal.

International Transport Regulations: No special requirements.
UN Name: No special requirements.
Transport hazard class：／
Packing group: No special requirements.
Marine pollutant: No special requirements.
Special transportation method and matters needing attention: No special requirements.

Others:

IMDG/IMO	Unregulated
UN number	N, Unregulated
Proper Shipping Name	Unregulated

Hazard Class	Unregulated
Packing Group	Unregulated
Marine Pollutant	N.A.
Environment Hazards	N.A.
Special provisions	N.A.
Bulk transportation basis MARPOL 73/78	N.A.
RID	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	N.A.
Special provisions	N.A.
ADR	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	N.A.
Special provisions	N.A.
IATA	Unregulated
UN number	Unregulated
Proper Shipping Name	Unregulated
Hazard Class	Unregulated
Packing Group	Unregulated
Environment Hazards	N.A.
Special provisions	N.A.

Section 15. Regulatory information

Applicable regulations: China

Section 16. Others

Reference		
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