

1. Identification of the Substance/Preparation and of the Company

Product Name	Fine-cool (Concentrate Solution)
	Recommended Use and Water-soluble cutting and grinding fluids
Manufacturer	Kyowa Oil Lubricants Co. Ltd.
Address	1-30-5 ,Hayabuchi, Tsuzuki-cu, Yokohama- City, kanagawa, Japan
Phone	tel 045(591)2311 fax 045(591)2318
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Date of creation	February. 2.2017
Revised date	
Sales company	HEIWA TECHNICA CO., LTD.

2. Hazard Identification

GHS Classification:

Physical Hazards	Not applicable to the GHS Classification	
Health Hazards	Skin Corrosion/Irritation	Category 2
	Serious Eye Damage/Eye Irritation	Category 1
	STOT/Systemic Toxicity - Single Exposure	
	Category 2 (liver)	
	Category 3 (Respiratory irritation)	

Those not mentioned above can not be classified or not subject to classification

Label Elements

Pictograms/Symbols



Signal Word

Danger

Hazard Statements

Skin irritancy
 Causes serious eye damage
 May cause respiratory irritation
 May cause damage to the liver

Precautionary Statements

[Prevention]

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Do not breathe mist/vapors/spray.
 Do not eat, drink or smoke when using this product.
 Wear protective gloves/protective clothing/eye protection/face protection.
 Wash hands thoroughly after handling.

	Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in well-ventilated areas
[Response]	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention Wash with plenty of soap and water. If swallowed, rinse mouth. Do not induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.
[Storage]	Store locked up. Avoid direct sunlight, keep away from fire, heat source and store in a well-ventilated place. Keep containers tightly closed.
[Disposal]	Dispose of contents/container in accordance with regulations.

3. Composition/Information on Ingredients

Homogeneous / Mixture:	Mixture
Purpose:	Grinding fluid
Chemical name	Water and additives
Chemical or Structural Formula	Not specifiable
Components and Contents:	(CAS No)
Rust inhibitor	7.0% -
Triethanolamine	20% (102-71-6)
Antifoam	0.1% -
Discoloration inhibitor	0.5% (95-14-7)
Water	72.4% (7732-18-5)

4. First-Aid Measures

Inhalation	Remove victim to fresh air and let him rinse mouth thoroughly with water. Wrapping a blanket and the like around him to keep warm for a rest, call a doctor/physician immediately.
Skin Contact	Rinse skin with soap and water.
Eye Contact	Immediately rinse eyes with clean water for at least 15 minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists,

	get medical attention.
Ingestion	Call a doctor/physician immediately. Do not induce vomiting. If affected, the mouth should be rinsed out thoroughly with water.
Expected Acute and Delayed Symptoms, and Most Important Symptoms/ Effects	If swallowed, may suffer from diarrhea and vomiting. May cause inflammation if in eyes. May cause inflammation if on skin. May feel unwell if mist is inhaled.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Foggy reinforcing agent, foam, powder, or carbon dioxide
Unsuitable Extinguishing Media	Jet water
Specific Hazards	A fire may cause irritating, corrosive, and/or toxic gas.
Specific Fire-Fighting Measures	Shut off the fire source. Use powder or carbon dioxide extinguishers at the beginning of fire. It is effective to intercept the air from a big fire with foam extinguishers. Use of water may cause spreading of fire. Cool the surrounding facilities with water spray. Evacuate non essential personnel around the fire.
Special Protective Actions for Fire-Fighting	Wearing protective glasses, protective clothing, and if necessary, respiratory protective equipment, start to fight fire on the windward side.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Immediately isolate the spill area wide enough in all directions. If skin or eye contact is possible, wear protective equipment. If mist is produced, wear respiratory protective equipment to avoid inhalation.
Environmental Precautions	Take up as much as possible to avoid soil contamination and water pollution. Avoid release to the environment
Collection/Neutralization and Methods/Materials for Containment	Eliminate the source of ignition of the surrounding. In the case of a large amount: Dike ahead of liquid spill area to minimize migration and then sweep into an empty container for disposal in a safe place. After disposal, wash away with plenty of water. In doing so, take care to prevent the high concentration of wastes from entering public watercourses such as rivers. In the case of a small amount: Take up into an empty container by absorbing the spill with earth and sand or rags, and furthermore sop up with rags thoroughly.
Prevention of Secondary	Remove all the ignition sources immediately. (Do not smoke

Hazards	Nearby and keep away from sparks and flames.) Report to the related organs for help.
7. Handling and Storage	
Handling	Before repairing machinery with remnant oils on, remove them thoroughly in a safe place. Take precautionary measures
Technical Measures	Against static discharge and wear electro conductive clothing and shoes. As vapors released from petroleum products are heavier than air, they are liable to stagnate. Due to it, attention should be paid to ventilation and fire. Handle at room temperatures, paying attention to moisture and To impurities not to mix with. If skin or eye contact is possible, wear protective equipment. If mist is produced, wear respiratory protective equipment to avoid inhalation. Use a pump and the like to take out of container. Do not suck through a tube. Do not weld, heat, hole, and cut off the container. Residues may ignite involving explosion.
Local Exhaust Ventilation/ Full Ventilation System	8. Exposure Controls/Personal Protection’.
Avoiding Contact	Refer to ‘10. Stability and Reactivity’.
Precautions for Safe Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. As this product contains ethanalamine, do not use antirust Agents containing nitrite together. Be cautious not to use any naked fire. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Do not press an empty container. It may explode under pressure. Do not drink. Keep out of reach of children.
Storage:	
Technical Measures	Avoid heat, sparks, flames, and static electricity. Keep container tightly closed.
Incompatible Materials	Refer to ‘10. Stability and Reactivity’.
Conditions for Safe Storage	Store in a well-ventilated area.

Store avoiding exposure to direct sunlight.

Store away from oxidizer.

Store locked up.

Materials for Containers/Packaging

When replacing the container, use metal or glass container.

Some kinds of resin-treated container may melt.

Use airtight, anti-breakage type containers.

8. Exposure Controls/Personal Protection

Engineering Controls	When mist and vapors are produced, seal off sources or provide exhaust ventilation. Facilities for rinsing eyes and washing a body are required near the workplace.
Permissible Concentration	Not specified
Standards for Allowable Density of Hazardous Substances in Labor Operation Air	Not established
Personal Protective Equipment	
Respiratory Protection	Wear appropriate respiratory protection.
Hand Protection	If necessary, wear oil-resistant protective gloves.
Eye Protection	If diffusion is possible, wear eye protection
Skin and Body Protection	If necessary, wear protective clothing and face protection.
Hygienic Precautions	Wash hands thoroughly after handling. Regularly inspect protective equipment according to the inspection table of protective equipment. Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

Physical State:

Appearance	Liquid
Color	Pale red transparent
Odor	Slightly amine odor
Boiling Point	No data available
Freezing Point	No data available
Decomposition temperature	No data available
Ignition point	No data available
Flash point	No data available
Flammability	No data available
Explosive Range (Explosive Limits)	No data available
Vapor Density (air=1)	No data available
Specific Gravity (Density)	1.05g/cm ³ (15°C) (Stock solution)

Solubility	1.01g/cm ³ (15°C) (Water-diluted 40-fold)
pH	Dispersible in water
	9.1 (Stock solution)
	8.9(Water-diluted 40-fold)

10. Stability and Reactivity

Stability	I avoid contact with strong oxidizing agents
Possibility of Hazardous Reactions	when stored and stored in the dark at room temperature, and is stable.
	I avoid contact with strong oxidizing agents hazardous reactions possible.
Conditions to Avoid	Contact with incompatible materials Incompatible Materials be careful not to contact halogens, strong acids, alkalis, and oxidizing substances.
Hazardous decomposition products.	Smoke, carbon monoxide, sulfur dioxide or alkalis is produced during the combustion.

11. Toxicological Information

Acute Toxicity:

Oral	No useful information
Dermal	No useful information
Inhalation	No useful information

Skin Corrosion/Irritation

Classified into Skin Corrosion/Irritation Category 2 as mixture.

Serious Eye Damage/Eye Irritation

Classified into Serious Eye Damage/Eye Irritation Category 1 as mixture

Respiratory or Skin Sensitization	No useful information
Germ Cell Mutagenicity	No useful information
Carcinogenicity	No useful information
Reproductive Toxicity	No useful information

Classified into Specific Target Organ Toxicity/Systemic (Single Exposure)
Category 2,3 as mixture

Classified into Specific Target Organ Toxicity/Systemic (Repeated Exposure)
No useful information

Aspiration Hazard No information available.

12. Ecological Information

Ecotoxicity	No information available
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Persistence and Degradability	No information available
Bioaccumulative Potential	No information available
Mobility in Soil	No information available
Other Adverse Effects	No information available
Environmental Criteria	No information available

13. Disposal Considerations

Waste Residues	Dispose the waste according to national and local regulations. Do not dump.
Contaminated Containers And Packing	Contaminated or empty container/packaging are to be disposed according to national and local regulations.

14. Transport Information

International Regulation	
UN Classification	Not applicable
Special Precautions	Load the containers in a manner that they are certain not to result in direct sunlight exposure, damage, corrosion, leak, while being transported. Do not place heavy load on top of the container.
HS code	3403.99000

15. Regulatory Information

No Information

16. Other Information

References: 1) Recommendation of Occupational Exposure Limits by Japan Society for Occupational Health
2) Thresholds limit values for chemical substances and physical agents and biological exposure
indices by ACGIH
3) National Institute of Technology and Evaluation
4) SDS of raw materials

1. As evaluations on hazards are not necessary satisfactory, special attention should be paid for use.
2. This SDS, summarizing matters to be attended to, is required for proper use of the product and is intended for normal use.
3. Referring to this MSDS, properly use and handle this product on the user's own responsibility.
4. The contents of this MSDS are based on information available as of today and our knowledge.
The information, data, and evaluations herein are not guaranteed, and in addition, may be revised due to revision of laws or knowledge newly obtained.