

Material Safety Data Sheet

1. Product and Manufacture Identification

Product information

Product name : CLEANER HCB-200
Recommended Use : Industrial cleaning agent
Restrictions on Use : Do not use for purposes other than the recommended use.

Manufacture information

Company name : RAZORSAW MANUFACTURING CO., LTD.
Address : 1323-29, Kashiyamacho, Ono-shi, Hyogo
Department in charge : Technical
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2. Hazards Identification

GHS classification

Not listed hazard / effects is Classification Not Possible or Not Classification.

Toxicological health effects

Skin corrosive / irritation : Class 2
Serious eyes damage / eyes irritation : Class 2
Specific target organ systemic toxicity – single exposure
The respiratory system : Class 2
Specific target organ systemic toxicity – repeated exposure
The respiratory system : Class 2

Environmental effects

Hazardous to the aquatic environment(Acute) : Class 3

GHS label elements

Symbols / Pictograms



Signal word : Warning

Hazardous information : Causes skin irritation.
Causes serious eye irritation.
May cause damage to the respiratory system.
May cause damage to the respiratory system through prolonged or repeated exposure.
Harmful to aquatic life.

Precautionary Statements

- Prevention : Do not breathe dust, smoke, gas, mist, vapors, or spray.
Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye protection, and face protection.
Obtain handling instructions before use.
- Response : If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. Continue rinsing.
If exposed or concerned: Contact a physician.
If you feel unwell: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Remove contaminated clothing and wash before reuse.
- Storage : Keep container tightly closed and store locked up.
- Disposal : Dispose of the contents and container by entrusting disposal to a licensed waste disposal contractor authorized by the prefectural governor. If disposal procedures are unclear, consult the supplier before disposal.

3. Composition / Information on Ingredients

Substance/Mixture	: Mixture		
Component	Cas No.	Content (%)	
Potassium hydroxide	1310-58-3	1- <5	
Triethanolamine	102-71-6	<1	
d-Limonene	5989-27-5	<1	
Tetrasodium ethylenediaminetetraacetate	64-02-8	<1	
Polyoxyalkylene monoalkyl ether	Not disclosed	5- 10	
Water	7732-18-5	Balance	

PRTR : Not applicable

4. First-aid Measure

- Eye Contact : Immediately rinse with plenty of clean running water for at least 15 minutes. Hold eyelids open to ensure thorough rinsing of the entire eye area. Seek medical attention from an ophthalmologist.
- Skin Contact : Immediately wash thoroughly with plenty of water and soap or skin cleanser. Do not use solvents or thinners. Remove contaminated clothing and shoes promptly. Seek medical attention if symptoms persist.
- Inhalation : If large amounts of gas or mist are inhaled, move the affected person to fresh air immediately and keep at rest. Seek medical attention. If breathing is irregular or has stopped, loosen clothing, secure airway, and provide artificial respiration.

Ingestion : If swallowed accidentally, do not induce vomiting. Seek immediate medical attention. Do not allow vomitus to be swallowed. Rinse mouth thoroughly with water.

5. Fire-fighting Measure

Suitable Extinguishing Media : Foam, dry chemical powder, water spray, carbon dioxide.

Unsuitable Extinguishing Media : Do not use solid water streams, as this may spread the fire.

Specific Hazards : If safe to do so, remove containers from the fire area. Use water spray to cool containers exposed to fire and to disperse vapors.

Protective Equipment for Firefighters : Firefighters should work from upwind and wear appropriate protective equipment, including respiratory protection. Toxic gases such as carbon monoxide may be generated during combustion.

6. Accidental Release Measures

Personal Precautions : Wear appropriate protective equipment. Avoid skin contact and inhalation of gases or vapors.

Environmental Precautions : Collect contaminated materials and dispose of promptly in accordance with applicable regulations.

Methods for Cleaning Up : Carefully collect spilled material and transfer to a safe container. Move debris to a secure location to prevent secondary hazards.

7. Handling and Storage

Handling

Technical measures : Provide adequate ventilation and protective equipment.

Engineering Controls : Install local exhaust ventilation.

Safe Handling Advice : Read and understand safety precautions before handling. Use appropriate protective equipment and respirators. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wash hands after handling. Do not eat, drink, or smoke during use. Avoid release to the environment.

Storage

Incompatible Materials : Store away from strong acids and acidic substances.

Storage Conditions : Store tightly closed in a cool, dark, and well-ventilated place.

8. Exposure Controls / Personal Protection

Engineering Controls	: Install local exhaust ventilation.
Exposure Limits	: No data available.
Personal Protective Equipment	: Respiratory protection: Suitable dust mask
	Eye protection: Safety goggles
	Hand protection: Protective gloves
	Skin and body protection: Protective clothing
Hygiene Measures	: Provide eyewash stations and safety showers.

9. Physical and Chemical Properties

Physical and chemical properties

Physical state	: Clear liquid / Colorless
Odor	: Mild
pH	: 13.1
Boiling point	: No information
Melting point	: No information
Resolution temperature	: No information
Flash point	: No information
Density	: 1.02 (20 °C)
pH	: No data
Solubility	: Dissoluble

10. Stability and Reactivity

Reactivity	: May react with strong oxidizing agents and acids
Chemical Stability	: Stable under normal conditions
Hazardous Reactions	: None known
Incompatible Materials	: Strong acids and acidic substances

11. Toxicological Information

Skin irritation	: Category 2
Serious eye irritation	: Category 2
STOT (Single Exposure)	: May cause respiratory damage (Category 2)
STOT (Repeated Exposure)	: May cause respiratory damage (Category 2)
Acute toxicity (oral/dermal)	: No data available
Carcinogenicity	: No data available
Mutagenicity	: No data available
Reproductive toxicity	: No data available
Aspiration hazard	: No data available

12. Ecological Information

Aquatic toxicity (acute)	: Harmful to aquatic life (Category 3)
Chronic aquatic toxicity	: No data available
Ozone depletion potential	: No data available

13. Disposal Considerations

Dispose of residual waste and contaminated containers in accordance with applicable laws and regulations. If disposal facilities are unavailable, entrust disposal to a licensed industrial waste contractor.

14. Transport Information

UN No : No applicable.

International restriction

RID/ADR information : Not applicable

IMO information : Non-Hazards

Marine pollutant : Not applicable

IATA information : Non-Hazards

Domestic restriction

Rail and road transportation information

: Not applicable

Marine transportation information : Non-Hazards

Marine pollutant : Not applicable

Aviation transportation information

: Non-Hazards

Specific precautionary transport measures and conditions

: Prior to transport check the containers and loading to prevent leakage or turnover, fall and damage transport in accordance with regulations. Avoid direct sunshine and the high temperature and the high humidity.

15. Regulatory Information

Fire Service Act (Japan) : Not applicable (non-hazardous, water-based liquid)

Industrial Safety and Health Act : Subject to labeling and SDS requirements

Potassium hydroxide

Triethanolamine

d-Limonene

Tetrasodium EDTA

Poisonous and Deleterious: Not applicable

Substances Control Act

Air Pollution Control Act (VOC) : Applicable (d-Limonene)

Act (VOC)

Waste Management and Public Cleansing Law : Industrial waste regulation applies

Public Cleansing Law

16. Other Information

1. Guidelines for creating product safety data sheets
2. Safety data sheet (Petrochemical industry association)
3. Material manufacturer product safety data sheet

This information only concerns the above-mentioned product and does not need to be valid if used with others or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product