SAFETY DATA SHEET

CYCLOHEXANONE OXIME

Revision Date 19/7/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:

Cyclohexanone Oxime

Company: Palica Chemistry Co.,Limited

12, Zhangba Rd., Xi'an 710065, P.R.China.

Tel / Fax: 0086 29 8928 7466

Emergency Phone #: 800-424-9300 (USA) +86-29-8928-7466 (Outside USA)

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Acute toxicity, Oral (Category 4), H304

GHS Label elements, including precautionary statements

Pictogram

Signal word

Warning

Hazard statements

H302 - Harmful if swallowed.

Precautionary statements

Prevention

P273 - Avoid release to the environment.

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

Response

P305 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell. Rinse mouth.

Disposal

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Cyclohexanone oxime

Molecular Formula: C6H11NO

Molecular Weight: 113.16 g/mol

CAS#: 100-64-1

EC-No.: 202-874-0

Concentration: --

4. FIRST AID MESURES

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Remove contaminated clothing.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

In case of skin contact

Remove contaminated clothing and shoes. Rinse skin with soap and plenty of water or shower. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician.

In case of eye contact

Immediately flush eyes with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention if irritation occurs.

If swallowed

Wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

No data available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available.

Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx).

Hazardous thermal decomposition products

No data available.

Special protective actions for fire-fighters

No data available.

Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Personal precautions

Safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Store in cool place.

Storage class (TRGS 510): 11: Combustible Solids

Other advice

No further information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NOISH (US) or EN 166(EU)..

Skin protection

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.

Body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: crystalline powder
Color: white

Safety data

pH: no data available
Melting range: 86 - 89℃
Initial boiling point: 206℃
Flash point: no data available
Relative density: no data available
Vapour pressure: no data available
Viscosity: Kinematic no data available
Ignition temperature: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Partition coefficient(n-octanol/water): no data available
Relative Density: no data available
Water solubility: no data available
VOC (w/w): no data available

10. STABILITY AND REACTIVITY

Storage stability

No data available.

Chemical stability

Stable under recommended storage conditions.

Reactivity

No data available

Possibility of hazardous reactions

No data available.

Conditions to avoid

No data available.

Incompatible materials

Strong acids.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)
Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION

Primary routes of exposure: No data available.

Acute toxicity:

LD50 Oral - rat - 500.1 mg/kg
LD50 Intraperitoneal - Mouse - 250 mg/m3

Skin corrosion / irritation: No data available

Serious eye damage / eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity:

Test type: Mouse
Test system: lymphocyte
Remarks: Mutation in mammalian somatic cells.

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

No data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

No data available

Aspiration hazard: No data available

Subacute to chronic toxicity: No data available

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 208 mg/l - 96 h

Persistence and degradability: No data available

Biodegradation: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB conclusion:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG

Not a dangerous goods

IATA

Not a dangerous goods

ADR/RID

Not a dangerous goods

15. REGULATORY INFORMATION

Safety, health and environmental regulations

No data available.

Safety assessment

No chemical safety assessment.

16. OTHER INFORMATION

Further information