



Safety Data Sheet
According to 91/155 EEC

- ***Product details***
- ***Trade name: Cyclohexanone***
- ***Manufacturer/Supplier:***
- ***Sahastraa Exports Pvt Ltd***
- ***Liberty Apartment CHS Ltd***
- ***1st floor, 103, Sarojini Road,***
- ***Vile Parle (W) Mumbai 400056***
- ***Ph. +9122 – 66795555/66793250-54***
- ***fax no. +9122-66793257***
- ***Further information obtainable from: Product***
safety department.
- ***Information in case of Emergency Product safety***
department.

- ***Chemical characterization:***
- ***CAS No. Description***
108-94-1 cyclohexanone
- ***Identification number(s)***
- ***EINECS Number: 203-631-1***
- ***Index number: 606-010-00-7***

- ***Hazard description:***
Xn Harmful



· Information concerning particular hazards for human and environment:

R 10 Flammable.

R 20 Harmful by inhalation.

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours

after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact: *Generally the product does not irritate the skin.*

· After eye contact: *Rinse opened eye for several minutes under running water.*

· After swallowing: *If symptoms persist consult doctor.*



- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Protective equipment:** Mouth respiratory protective device.

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

- **Measures for cleaning/collecting:**
Dilute with plenty of water.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Handling:**
· **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.



· **Additional information:** *The lists valid during the making were used as basis.*

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the

chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.



· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

Tightly sealed goggles

· **General Information**

Form: Fluid

Colour: Colourless

Odour: Characteristic

· **Change in condition**

Melting point/Melting range: ca. - 26°C

Boiling point/Boiling range: 153 - 156°C

· **Flash point:** 43°C

· **Ignition temperature:** 420°C

· **Danger of explosion:** Product is not explosive.

However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

Lower: 1.3 Vol %

Upper: 9.4 Vol %

· **Vapour pressure at 20°C:** 5 hPa

· **Density at 20°C:** 0.95 g/cm³

· **Solubility in / Miscibility with water at 20°C:** 80 g/l



· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

Oral LD50 1535 mg/kg (rat)

Dermal LD50 948 mg/kg (rabbit)

Inhalative LC50/4 h 8000 mg/l (rat)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.



· **Product:**

· **Recommendation**

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** *Disposal must be made according to official regulations.*

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** *3 Flammable liquids.*

· **Danger code (Kemler):** *30*

· **UN-Number:** *1915*

· **Packaging group:** *III*

· **Hazard label:** *3*

· **Description of goods:** *1915 CYCLOHEXANONE*

· **Maritime transport IMDG:**

· **IMDG Class:** *3*

· **UN Number:** *1915*

· **Label** *3*

· **Packaging group:** *III*

· **EMS Number:** *F-E,S-D*

· **Marine pollutant:** *No*

· **Proper shipping name:** *CYCLOHEXANONE*

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1915
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** CYCLOHEXANONE

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xn Harmful

· **Risk phrases:**

10 Flammable.

20 Harmful by inhalation.

· **Safety phrases:**

2 Keep out of the reach of children.

25 Avoid contact with eyes.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** *Product safety department*

