

MATERIAL SAFETY DATA SHEET

PRODUCT – SCICLOHEXANONE

1. Chemical Product and Company Identification

Product Identifiers:

Product Name : SCICLOHEXANONE

Product Name : SCIF011

MSDS No : FP/MSDS/PC/07

Synonyms : Kephalis; Woody cyclohexanone

Cas no. : 36306-87-3

Molecular Weight : 224.4 g/mol

Chemical Formula : $C_{14}H_{24}O_2$

EC number : 252-961-2

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Industrial uses. Formulation [mixing] of preparations

Details of the supplier of the safety data sheet:

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South,

Karnataka - 560102, India.

Email: sales@scimplify.com

Website: www.scimplify.com

2. Hazards Identification

2.1 Classification of the substance or mixture

No data available.

2.2 Label elements

Pictogram: N/A

Signal word: N/A

2.3 Other hazards

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

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3. Composition and Information on Ingredients

Substances

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4. First Aid Measures

Description of first aid measures

General advice : Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician. **In case of eye contact :** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. **If**

swallowed : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important : The most important known symptoms and effects are. **symptoms/effects, acute** described in the labelling (see section 2) and/or in section 11. **and delayed.**

5. Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide **Special hazards arise from the substance or mixture:** Carbon oxides.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. **Further information:** Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove

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all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

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.

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections

For disposal see section 13.

7. Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2.

Conditions for safe storage, including any incompatibilities.

Store in Ambient Temperature. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store under inert gas. Air and light sensitive.

Storage class (TRGS 510): Flammable liquids

Specific end use(s)

Apart from the uses mentioned in section 1. No other specific uses are stipulated.

Training Hints:

Make sure that workers are aware of the danger and risk according to this safety data sheet.

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8. Exposure Controls/Personal Protection

Control parameters

Exposure controls.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.

Body Protection

Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and number of dangerous substances at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. 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.

9. Physical and Chemical Properties

- a) Physical State : Liquid
- b) Appearance : Colorless to pale yellow liquid clear liquid (est)
- c) Refractive Index at 25.00°C: 1.4676 - 1.4776

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- d) Flash point : >127 °C (261.00 °F)
- e) Assay : Min. 80.0% (some of isomers)
- f) Specific Gravity : No data available
- g) Boiling Point : 325.75 °C @ 760.00 mmHg
- h) Vapor Pressure : 0.003000 mmHg @25.00°C
- i) Solubility in water : Immiscible
- j) Molecular Weight : 224.4 g/mol
- k) Chemical Formula : C₁₄H₂₄O₂

10.Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under ambient temperature.

Possibility of hazardous reactions

No data available

Conditions to avoid.

Heat, flames, and sparks.

Incompatible materials

Oxidizing agents, Strong acids

11.Toxicological Information

Information on toxicological effects

Acute toxicity Not classified based on available information.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Not classified based on available information. Skin sensitisation Not classified based on available information. Respiratory sensitisation Not classified based on available information. Germ cell mutagenicity Not classified based on available information. Carcinogenicity Not classified based on available information.

Reproductive toxicity Not classified based on available information.

STOT - single exposure Not classified based on available information.

STOT - repeated exposure Not classified based on available information.

Aspiration toxicity Not classified based on available information.

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12. Ecological information

Acute aquatic toxicity: Not determined.

Persistence and degradability: Not available.

Bioconcentration Factor: Not determined.

Mobility in soil: Not available.

Results of PBT and pub assessment: Not determined.

Other adverse effects: Do not allow the material to enter streams, sewers, or other waterways.

13. Disposal considerations

Waste treatment methods.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

UN number

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: Not dangerous goods

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Packaging group

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Environmental hazards

ADR/RID: No

IMDG: No

IATA: No

Special precautions for user

No data available

15.Regulatory information

Safety, health, and environmental regulations/legislation specific for the substance or mixture: Not available

Chemical safety assessment: Not available

16.Other information

Scimplify cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage, and disposal of the product, and to assume liability for loss, injury, damage, or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is accurate to the best of Scimplify knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, considering the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.