



HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

Material Safety Data Sheet

Cyclododecane

Section 1 - Chemical Product and Company Identification

MSDS Name: Cyclododecane

Company Identification:

Hangzhou Dingyan Chem Co., Ltd

Xiasha 571, 19TH Street E-COMMERCE 4A 601-602 , Jianggan Area, Hangzhou city, China 310018

Tel: 86-571-87157530

Fax:86-571-87156470

web: www.dingyanchem.com

Section 2 - Composition, Information on Ingredients

Chemical Name: Cyclododecane

CAS No.: 294-62-2

Section 3 - Hazards Identification

3.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute aquatic toxicity (Category 3), H402

Chronic aquatic toxicity (Category 3), H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

3.2 GHS Label elements, including precautionary statements

Pictogram none

Signal word none

Hazard statement(s)

H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P273 Avoid release to the environment.

P501 Dispose of contents/ container to an approved waste disposal plant.

3.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

Section 4 - COMPOSITION/INFORMATION ON INGREDIENTS

4. COMPOSITION/INFORMATION ON INGREDIENTS

4.1 Substances

Formula : C₁₂H₂₄

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Molecular Weight : 168.30 g/mol

CAS-No. : 294-62-2

EC-No. : 206-033-9

Section 5 - FIRST AID MEASURES

5. FIRST AID MEASURES

5.1 Description of first aid measures

General advice

Consult a physician. 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

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. **Consult a physician.**

5.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

5.3 Indication of any immediate medical attention and special treatment needed

no data available

Section 6 - FIREFIGHTING MEASURES

6. FIREFIGHTING MEASURES

6.1 Extinguishing media

Suitable extinguishing media

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

6.2 Special hazards arising from the substance or mixture

Carbon oxides

6.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6.4 Further information

no data available

Section 7 - Accidental Release Measures

7.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

7.2 Environmental precautions

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

7.3 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.

7.4 Reference to other sections

For disposal see section 14.

Section 8 - Handling and Storage

8.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 3.2.

8.2 Conditions for safe storage, including any incompatibilities

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

8.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 9 - Exposure Controls, Personal Protection

9.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

9.2 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

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.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous

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substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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.

Section 10 - Physical and Chemical Properties

10.1 Information on basic physical and chemical properties

a) Appearance Form: crystalline

Colour: colourless

b) Odour no data available

c) Odour Threshold no data available

d) pH no data available

e) Melting point/freezing

point 59 °C (138 °F)

f) Initial boiling point and

boiling range

no data available

g) Flash point 89 °C (192 °F) - closed cup

h) Evaporation rate no data available

i) Flammability (solid, gas) no data available

j) Upper/lower

flammability or

explosive limits

no data available

k) Vapour pressure no data available

l) Vapour density no data available

m) Relative density no data available

n) Water solubility no data available

o) Partition coefficient: noctanol/water

no data available

p) Auto-ignition

temperature

no data available

q) Decomposition



temperature

no data available

r) Viscosity no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

10.2 Other safety information

no data available

Section 11 - Stability and Reactivity

11. STABILITY AND REACTIVITY

11.1 Reactivity

no data available

11.2 Chemical stability

Stable under recommended storage conditions.

11.3 Possibility of hazardous reactions

no data available

11.4 Conditions to avoid

no data available

11.5 Incompatible materials

Strong oxidizing agents

11.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 6

Section 12 - Toxicological Information

12.1 Information on toxicological effects

Acute toxicity

Inhalation: no data available

Dermal: no data available

LD50 Subcutaneous - mouse - > 10,000 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: GU2295000

Section 13 - Ecological Information

13. ECOLOGICAL INFORMATION

13.1 Toxicity

Toxicity to daphnia and

other aquatic

invertebrates

EC50 - Daphnia pulex (Water flea) - 21 mg/l - 48 h

13.2 Persistence and degradability

no data available

13.3 Bioaccumulative potential

no data available

13.4 Mobility in soil

no data available

13.5 Results of PBT and vPvB assessment

PBT/PvB assessment not available as chemical safety assessment not required/not conducted

13.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

no data available

Section 14 - Disposal Considerations

14. DISPOSAL CONSIDERATIONS

14.1 Waste treatment methods

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Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 15 - Transport Information

15. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 16 - Regulatory Information

16. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Cyclododecane

CAS-No.

294-62-2

New Jersey Right To Know Components

Cyclododecane

CAS-No.

294-62-2

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 17 - Additional Information

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MSDS Creation Date: 5/29/2008

Revision #6 Date: 11/20/2013

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