

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): POIRENATE

Product No.: B0001608

Manufacturer/Importer/Distributor Information

Information on domestic manufacturer

Company Name: Kao Corporation

Address: 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan

Telephone: +81-3-5630-7700 Fax: +81-3-5630-7889 Contact division: Chemical Business E-mail: chemical@kao.co.jp

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification:

Environmental Hazards

Acute hazards to the aquatic Category 2

environment

Chronic hazards to the aquatic Category 2

environment

GHS label elements

Pictograms:



Signal Word: No signal word.

Hazard Statement: Toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

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Prevention: Avoid release to the environment.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER/doctor if you

feel unwell. Collect spillage.

Storage: -

Disposal: Passed to a licensed waste contractor.

Unknown toxicity - Environment

Acute hazards to the aquatic 0 %

environment

Chronic hazards to the aquatic 0 %

environment

3. Composition/information on ingredients

Substances

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Ethyl 2-cyclohexyl propionate	2511-00-4	(3)-2428	(3)-2428	

4. First-aid measures

Description of necessary first-aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Gently wash with plenty of soap and water.

Eye contact: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

Ingestion: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Powder, alcohol-resistant foam, carbon dioxide, sand

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Unsuitable extinguishing

media:

No data available.

Special hazards arising from

the substance or mixture:

No data available.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing

agents.

Special protective equipment

for fire-fighters:

Use goggles in combination with dust mask, and other protections as

appropriate to situation.

6. Accidental release measures

Personal precautions, protective equipment and

emergency procedures:

Use goggles and protective gloves. Large spills: Remove person to safety.

Ensure adequate ventilation.

Methods and material for containment and cleaning

Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills

and dispose of in safe area.

Environmental Precautions: Avoid release to the environment.

Prevention of secondary

hazards:

Keep away from sources of ignition and prepare extinguishing media.

7. Handling and storage

Handling

Technical measures (e.g. Local

and general ventilation):

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

Safe handling advice:

Keep away from source of ignition. Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as

required.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed. Store in a well-ventilated place. Keep away

from source of ignition.

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Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Product: None known.

Individual protection measures, such as personal protective equipment

Eye/face protection: Safety glasses

Hand Protection: Material: Rubber gloves

Skin and Body Protection: Full-body suit

Respiratory Protection: Use as appropriate to situation.

Hygiene measures: No data available.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state: Liquid Form: Liquid

Color: Colorless clear
Odor: Characteristic odour
Odor Threshold: No data available.
Freezing point: < 68 °F/20 °C

Boiling Point: 425.1 - 437.2 °F/218.4 - 225.1 °C

Flammability: No data available.
Upper/lower limit on flammability or explosive limits
Explosive limit - upper: No data available.
Explosive limit - lower: No data available.

Flash Point: 228 °F/109 °C (Cleveland open cup)

Self Ignition Temperature: > 212 °F/100 °C **Decomposition** No data available.

Temperature:

pH: Not applicable

Viscosity

Dynamic viscosity: No data available. **Kinematic viscosity:** No data available.

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Flow Time: No data available.

Solubility(ies)

Solubility in Water: The product has poor water-solubility.

Solubility (other): Soluble in ethyl alcohol

Partition coefficient (n-

octanol/water):

4.03

Vapor pressure: 21.9 Pa (77 °F/25 °C)
Relative density: No data available.

Density: 0.942 g/ml (68.0 °F/20.0 °C)

Relative vapor density: No data available.

Particle characteristics

Particle Size: No data available.
Particle Size Distribution: No data available.

10. Stability and reactivity

Reactivity: No data available.

Chemical Stability: Stable in general.

Possibility of hazardous

reactions:

Material is stable under normal conditions.

Conditions to avoid: No data available.

Incompatible Materials: No data available.

Hazardous Decomposition

Products:

Carbon dioxide

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 5 g/kg

Not classified based on available data.

Dermal

Product: LD 50 (Rat) > 2 g/kg Not classified

Not classified based on available data.

Inhalation

Product: LC 50 (Rat, 4 h) > 5.4 mg/l Dusts, mists and fumes

Dusts, mists and fumes: Not classified based on available data.

Vapour: No data available.

Not classified based on available data of component(s).

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Skin Corrosion/Irritation

Product: semi-occluded application test (Rabbit, 4 h): Not classified undiluted

Not classified based on available data.

Serious Eye Damage/Eye Irritation

Product: EEC method (Rabbit): Not classified undiluted

Not classified based on available data.

Respiratory or Skin Sensitization

Product: Skin: Classification not possible due to insufficient data.

Respiratory: Classification not possible due to insufficient data.

Carcinogenicity

Product: Classification not possible due to insufficient data.

IARC:

No carcinogenic components identified

NTP:

No carcinogenic components identified

JSOH:

No carcinogenic components identified

EU

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: Classification not possible due to insufficient data.

In vivo

Product: Classification not possible due to insufficient data.

Reproductive toxicity

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Single Exposure

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Repeated Exposure

Product: Rat, 28 days repeated dose oral toxicity test (OECD TG407): NOTEL (no

observed toxic effect level) = 150 mg/kg/day

Not classified based on available data.

Aspiration Hazard

Product: Classification not possible due to insufficient data.

Other effects: No data available.

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12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment

Fish

Product: LC 50 (Rainbow Trout, 96 h): 8.6 mg/l

Aquatic Invertebrates

Product: EC 50 (Daphnia, 48 h): 1.1 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Components:

Ethyl 2-cyclohexyl Category 2: (99)

propionate

Chronic hazards to the aquatic environment

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Ethyl 2-cyclohexyl Category 2: (99)

propionate

Persistence and Degradability

Biodegradation

Product: 13 % (28 d, OECD TG301D)

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: 4.03

Mobility in soil: No data available.

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Hazardous to the ozone layer: Not Regulated

Further Information: No data available.

13. Disposal considerations

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed

waste contractor.

Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

UN Number: UN 3082

UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Ethyl 2-cyclohexylpropionate)

Transport Hazard Class(es)

 Class:
 9

 Label(s):
 9

 EmS No.:
 F-A, S-F

Packing Group: III Limited quantity 5.00L

Excepted quantity E1
Environmentally Hazardous: Yes
Marine Pollutant: Yes

Special precautions for user: Not regulated.

IATA

UN Number: UN 3082

UN Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Ethyl 2-

cyclohexylpropionate)

Transport Hazard Class(es):

Class:

Label(s): 9MI (Miscellaneous)

Packing Group: III
Excepted quantity E1
Environmentally Hazardous: Yes
Marine Pollutant: No

Special precautions for user: Not regulated.

Other information

Passenger and cargo aircraft: Allowed. 964
Cargo aircraft only: Allowed. 964

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UN Proper Shipping Name (JP): 環境有害物質(液体)(Ethyl 2-cyclohexylpropionate)

National Regulations

Domestic Standard: In compliance with domestic law.

Emergency Response Guide Number171

15. Regulatory information

Law concerning Pollutant Release and Transfer Register

Not Regulated

Industrial Safety and Health Law

Not Regulated

Poisonous and Deleterious Substances Control Act

Not Regulated

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

Fire Service Act:

Group 4: Flammable liquids, Type 3 petroleums, Water insoluble liquid, Designated Quantity (2000 litre) III: Hazardous rank III

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Not Regulated

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:

Miscellaneous dangerous substances and articles

Air Law, Enforcement Rule:

Miscellaneous dangerous substances and articles

Act on Prevention of Marine Pollution and Maritime Disaster:

Pack transport, Marine pollutant (P)

Export Trade Control Order

Not Regulated

Inventory Status:

US TSCA Inventory:
Canada DSL Inventory List:
Australia AICS:
Korea Existing Chemicals Inv. (KECI):
Japan (ENCS) List:
Japan ISHL Listing:
On or in compliance with the inventory

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China Inv. Existing Chemical Substances: On or in compliance with the inventory

REACH (EU): Registered

Taiwan Chemical Substance Inventory: On or in compliance with the inventory

16.Other Information

Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability(including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another ,in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

Reference:

- -Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- -International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)
- -GHS guidline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association (99): Internal study data

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