

# SAFETY DATA SHEET

## 1. Product and company identification

Name of chemical (Product name): AMBER CORE

Product No.: B0001604

### 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:

#### Health Hazards

Serious Eye Damage/Eye Irritation Category 2B

#### Environmental Hazards

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 2

### GHS label elements

#### Pictograms:



Signal Word: Warning

**Hazard Statement:** Causes eye irritation.  
 Toxic to aquatic life with long lasting effects.

**Prevention:** Avoid release to the environment. Wash thoroughly after handling.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. 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 - Health**

Acute toxicity, inhalation, vapor	99.99 %
Acute toxicity, inhalation, dust or mist	100 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

### 3. Composition/information on ingredients

#### Substances

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
1-(2-tert-Butyl Cyclohexyloxy)-2-butanol	139504-68-0	3-(4)-406	(3)-4257	

### 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. Get medical attention if symptoms persist.

**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

**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 up:** 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.

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

<b>Flash Point:</b>	291.2 °F/144.0 °C (Cleveland open cup)
<b>Self Ignition Temperature:</b>	519.8 °F/271.0 °C
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	No data available.
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	The product has poor water-solubility.
<b>Solubility (other):</b>	Soluble in ethyl alcohol
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	0.936 g/ml (68.0 °F/20.0 °C)
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

<b>Oral</b>	
<b>Product:</b>	LD 50 (Rat): > 2,000 mg/kg Not classified Not classified based on available data.

### Dermal

**Product:** LD 50 (Rat) > 2,000 mg/kg Not classified  
 Not classified based on available data.

**Inhalation Product:** Dusts, mists and fumes: Classification not possible due to insufficient data.  
 Vapour: Classification not possible due to insufficient data.

**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): Mild irritant undiluted

**Respiratory or Skin Sensitization Product:** Skin sensitization, GPMT Skin: (Guinea Pig): Negative  
 Skin: Not classified based on available 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:** Ames test (TA98,TA100,TA1535,TA1537, WP2uvrA-): Negative  
 Chromosome Aberration test: Negative  
 Classification not possible due to insufficient data.

**In vivo Product:** Mammalian Micronucleus Test (OECD TG474) (Mouse): Negative  
 Classification not possible due to insufficient data.

**Reproductive toxicity Product:** Rat, gavage, One generation reproductive toxicity, OECD 415 : NOEL (maternal toxicity) = 500 mg/kg/day An Expert Judgment stated that no classification is necessary based on present knowledge. Not classified based on available 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 : NOEL(no observed effect level) = 20 mg/kg/day, No toxicological effect level = 140 mg/kg/day  
 Not classified  
 Not classified based on available data.

**Aspiration Hazard**

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

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment**

**Fish**  
**Product:** LC 50 (Rainbow Trout, 96 h): 4.1 mg/l

**Aquatic Invertebrates**  
**Product:** EC 50 (Daphnia, 48 h): 5.9 mg/l

**Toxicity to Aquatic Plants**  
**Product:** ErC50 (Alga, 72 h): 12 mg/l (OECD TG201)

**Chronic hazards to the aquatic environment**

**Fish**  
**Product:** NOEC (Fathead Minnow, 33 d): 0.22 - 0.4 mg/l

**Aquatic Invertebrates**  
**Product:** NOEC (Daphnia, 21 d): 1.4 mg/l

**Toxicity to Aquatic Plants**  
**Product:** NOEC (Alga, 72 h): 1.5 mg/l (OECD TG201)

**Persistence and Degradability**

**Biodegradation**  
**Product:** 3 % (28 d, OECD TG301C)

**BOD/COD Ratio**  
**Product:** No data available.

**Bioaccumulative potential**  
**Bioconcentration Factor (BCF)**

**Product:** Bioconcentration Factor (BCF): 48 - 88 (OECD TG305C) Low  
 Bioconcentration (Level 1 Peak A)  
 Bioconcentration Factor (BCF): 18 - 40 (OECD TG305C) Low  
 Bioconcentration (Level 1 Peak B)  
 Bioconcentration Factor (BCF): 74 - 173 (OECD TG305C) Low  
 Bioconcentration (Level 2 Peak A)  
 Bioconcentration Factor (BCF): 20 - 128 (OECD TG305C) Low  
 Bioconcentration (Level 2 Peak B)

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**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. (1-(2-tert-Butylcyclohexyloxy)-2-butanol)
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. (1-(2-tert-Butylcyclohexyloxy)-2-butanol)
Transport Hazard Class(es):	
Class:	9
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
UN Proper Shipping Name (JP):	環境有害物質(液体)(1-(2-tert-Butylcyclohexyloxy)-2-butanol)

#### National Regulations

**Domestic Standard:** In compliance with domestic law.

**Emergency Response Guide Number**171

### 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

**Export Trade Control Order**

Not Regulated

**Inventory Status:**

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Australia AICS:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Contact us for information
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
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 guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association