

**Product name:**  
 HOMOGENOL L-18

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

**1. Identification of the substance or mixture and of the supplier**

**Product name:**  
 HOMOGENOL L-18

**Product No.:** B0003721

**Recommended use and restriction on use**

**Recommended use:** Special polycarboxylate type surfactant  
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**

**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**

Emergency Overview: Yellow-brown, clear Liquid. Odor: Ketone-like odor. Hazard statements: Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Notes to physician: Get medical attention if symptoms occur.

**GHS classification**

**Physical Hazards**

Flammable liquids	Category 2
-------------------	------------

**Health Hazards**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Specific Target Organ Toxicity - Single Exposure	Category 3 (Respiratory tract irritation.)
Specific Target Organ Toxicity - Repeated Exposure	Category 2 (intestine, thymus)

**Unknown toxicity - Health**

Acute toxicity, dermal	100 %
Acute toxicity, inhalation, vapor	60 %
Acute toxicity, inhalation, dust or mist	100 %

**Product name:**  
 HOMOGENOL L-18

**Environmental Hazards**

Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 2

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment	60 %
Chronic hazards to the aquatic environment	60 %

**Label Elements**

**Pictograms:**



**Signal Word:**

Danger

**Hazard Statement:**

Highly flammable liquid and vapor.  
 Causes skin irritation.  
 Causes serious eye damage.  
 May cause respiratory irritation.  
 May cause damage to organs through prolonged or repeated exposure.  
 Very toxic to aquatic life.  
 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

**Response:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. IF ON SKIN (or hair): Rinse skin with water [or shower]. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER or doctor/ physician if you feel unwell. In case of fire : Keep away from sources of ignition and use appropriate extinguishing media. Collect spillage.

**Product name:**  
 HOMOGENOL L-18

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Passed to a licensed waste contractor.

**Other hazards which do not result in GHS classification:** None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)
Methyl isobutyl ketone	-	108-10-1	60%
Imidazoline type surfactant	-	Trade Secret	

**Trade secret information:** A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

#### Description of first aid measures

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

**Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Gently wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**Ingestion:** Immediately call a POISON CENTER/doctor.

**Personal Protection for First-aid Responders:** No data available.

#### Most important symptoms and effects, both acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** Get medical attention if symptoms occur.

**Product name:**  
 HOMOGENOL L-18

## 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:** Produce irritating or toxic gases in a fire.

### Special protective equipment and precautions for fire-fighters

**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. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. Avoid inhalation of smoke or gases.

## 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. Do not use tools producing sparks

## 7. Handling and storage

### Handling

**Technical measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use explosion-proof electrical equipment and prevent from static electricity.

**Local/Total ventilation:** Use local exhaust ventilation.

**Safe handling advice:** Keep away from source of ignition. This product may be solidified totally or partially according to the storage condition. In that case, please warm-up for melting, then use at homogeneous liquid. Avoid contact with eyes. Use an

**Product name:**  
 HOMOGENOL L-18

adequate ventilation. Wash thoroughly after handling. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using the product.

**Contact avoidance measures:** No data available.

**Storage**

**Safe storage conditions:** Keep container tightly closed. Store in a well-ventilated place. Store locked up. Keep away from source of ignition.

**Safe packaging materials:** No data available.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation. Use explosion-proof electrical equipment and prevent from static electricity.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Safety glasses with side shield(Safety goggles or Face shield)

**Hand Protection:** Material: Gloves (solvent-resistant)

**Skin and Body Protection:** Solvent-resistant protective clothing

**Respiratory Protection:** Use chemical cartridge respirator for organic solvents, 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:** Yellow-brown, clear

**Odor:** Ketone-like odor

**Odor Threshold:** No data available.

**Freezing point:** < 20 °C/68 °F

**Product name:**  
 HOMOGENOL L-18

<b>Boiling Point:</b>	118 °C/244 °F
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	15 °C/59 °F (Tag closed cup)
<b>Auto-ignition temperature:</b>	> 100 °C/212 °F
<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>	Insoluble in water
<b>Solubility (other):</b>	Soluble in aromatic solvents Insoluble in ethanol and ether
<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>	0.86 g/ml at 20 °C/68 °F
<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.

<b>10. Stability and reactivity</b>
-------------------------------------

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	May form flammable gas or vapor. May form explosive gas/air mixtures.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

**Product name:**  
 HOMOGENOL L-18

## 11. Toxicological information

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

#### Oral

**Product:** LD 50 (Mouse): 5,195 mg/kg  
 Not classified based on available data.

#### Dermal

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

#### Inhalation

**Product:** Dust and mist: Classification not possible due to insufficient data.  
 Vapour: Classification not possible due to insufficient data.

### Skin Corrosion/Irritation

**Product:** No data available.

#### Components:

Imidazoline type surfactant Category 2 (99)

### Serious Eye Damage/Eye Irritation

**Product:** No data available.

#### Components:

Methyl isobutyl ketone Category 2 (101)  
 Imidazoline type surfactant Category 1 (88)

### 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.

### Germ Cell Mutagenicity

#### In vitro

**Product:** Ames test (TA98, TA100): Negative  
 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:** No data available.

#### Components:

Methyl isobutyl ketone Category 3: respiratory tract irritation: (101)

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

**Product name:**  
 HOMOGENOL L-18

**Components:**

Imidazoline type surfactant Category 2: intestine, thymus: (88)

**Aspiration Hazard**

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

**Other effects:** No data available.

<b>12. Ecological information</b>
-----------------------------------

**Ecotoxicity:**

**Acute 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:**

Imidazoline type surfactant Category 1: (88)

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

Imidazoline type surfactant Category 1: (88)

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

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

**Product:** No data available.

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



**Product name:**  
 HOMOGENOL L-18

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal methods:** Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. This material is containing flammable materials. Be careful in case of incineration. Remove the contents completely in case of disposal of the container.

**Contaminated Packaging:** No data available.

### 14. Transport information

#### IMDG

UN Number:	UN 1245
UN Proper Shipping Name:	METHYL ISOBUTYL KETONE
Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-D
Packing Group:	II
Limited quantity	1.00L
Excepted quantity	E2
Environmentally Hazardous:	Yes
Marine Pollutant:	Yes
Special precautions for user:	Not Regulated.

#### IATA

UN Number:	UN 1245
UN Proper Shipping Name:	Methyl isobutyl ketone
Transport Hazard Class(es):	
Class:	3
Label(s):	3
Packing Group:	II
Excepted quantity	E2
Environmentally Hazardous:	Yes
Marine Pollutant:	No
Special precautions for user:	Not Regulated.
Other information	
Passenger and cargo aircraft:	Allowed. 353
Cargo aircraft only:	Allowed. 364

UN Proper Shipping Name (CN): 甲 酮

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 Not applicable for product as supplied.

#### National Regulations

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

**Product name:**  
 HOMOGENOL L-18

**Emergency Response Guide Number:** 127

**15. National and international regulatory information**

Should comply with local regulations in respect of this product.

**China. Catalog of Hazardous Chemicals**  
 Not Regulated

**China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)**  
 Not Regulated

**China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)**  
 Not Regulated

**China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)**  
 Not Regulated

**Inventory Status:**

<b>US TSCA Inventory:</b>	On or in compliance with the inventory
<b>Canada DSL Inventory List:</b>	Not in compliance with the inventory
<b>Australia AICS:</b>	Not in compliance with the inventory
<b>Korea Existing Chemicals Inv. (KECI):</b>	Contact us for information
<b>Japan (ENCS) List:</b>	On or in compliance with the inventory
<b>Japan ISHL Listing:</b>	On or in compliance with the inventory
<b>Philippines PICCS:</b>	On or in compliance with the inventory
<b>China Inv. Existing Chemical Substances:</b>	On or in compliance with the inventory
<b>REACH (EU):</b>	Contact us for information
<b>Taiwan Chemical Substance Inventory:</b>	On or in compliance with the inventory

**16. Other Information**

<b>Version #:</b>	1.0
<b>Revision Date:</b>	-
<b>Issue Date:</b>	06.10.2023
<b>Further Information:</b>	No data available.
<b>Revision Information</b>	Not relevant.
<b>Training information</b>	No data available.

**Product name:**  
HOMOGENOL L-18

---

**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:**

- (88): ECHA-REACH Registered Substances Database
- (99): Internal study data
- (101): China. SAWS GHS classification list (mandatory)