

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): PELEX OT-P

Product No.: B0002591

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

Intended Use: Additives for water based paint, Additives for textile products, Emulsion polymerization use

Restrictions on use: Please refer to Sec.2, 4, 7, 8, 10 and 13.

Emergency telephone number: 81-3-5630-7700

2. Hazard(s) identification

GHS classification

Physical Hazards

Flammable liquids Category 3

Health Hazards

Acute toxicity (Oral) Category 4
Serious Eye Damage/Eye Irritation Category 1
Specific Target Organ Toxicity - Single Exposure Category 1 (visual organs, Central nervous system)

Unknown toxicity - Health

Acute toxicity, inhalation, dust or mist 85 %

Environmental Hazards

Acute hazards to the aquatic environment Category 3

Unknown toxicity - Environment

Acute hazards to the aquatic environment 0.3 %
Chronic hazards to the aquatic environment 0.3 %

Label Elements

Pictograms:



Signal Word:

Danger

Hazard Statement:

Flammable liquid and vapor.
Harmful if swallowed.
Causes serious eye damage.
Causes damage to organs.
Harmful to aquatic life.

**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. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. This product may form partially precipitate according to the storage condition. In that case, please agitate or stir, then use as homogeneous liquid.

Response:

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. 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): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF exposed or concerned: Call a POISON CENTER/doctor. In case of fire : Keep away from sources of ignition and use appropriate extinguishing media.

Storage:

Store in a well-ventilated place. Keep cool. 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 name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Sodium di(2-ethylhexyl) sulfosuccinate	577-11-7	Yes	Yes	70%

Methanol	67-56-1	Yes	Yes	10 - 20%
2-Ethylhexyl alcohol	104-76-7	Yes	Yes	

4. First-aid measures

Description of first aid measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with water/shower.
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:	Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. 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.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Powder, alcohol-resistant foam, water spray, 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.
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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 sulfur 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:

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

Local/Total ventilation:

Use local exhaust ventilation.

Safe handling advice:

Keep away from source of ignition. Avoid contact with eyes. This product may form partially precipitate according to the storage condition. In that case, please agitate or stir, then use as homogeneous liquid. Use an 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 away from source of ignition. Keep container tightly closed. Store in a well-ventilated place. Store locked up.

Safe packaging materials:

No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Components	Type	Exposure Limit Values		Source
Methanol	TWA	200 ppm	260 mg/m3	JPJSH OEL (04 2007)
	TLV	200 ppm		JPISHL OEL (08 2006)
Methanol	STEL	250 ppm		ACGIH (2008)
	TWA	200 ppm		ACGIH (2008)
2-Ethylhexyl alcohol	TWA	1 ppm	5.3 mg/m3	JPJSH OEL (05 2017)
2-Ethylhexyl alcohol	TWA	5 ppm		ACGIH (01 2022)

Individual protection measures, such as personal protective equipment

Eye/face protection:	Safety glasses with side shield(Safety goggles or Face shield)
Hand Protection:	Material: Rubber gloves
Skin and Body Protection:	Full-body suit
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:	Colorless clear
Odor:	Characteristic
Odor Threshold:	No data available.
Freezing point:	-39 °C/-38 °F
Boiling Point:	> 40 °C/104 °F
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:	28 °C/82 °F (Setaflash Closed Cup)
Auto-ignition temperature:	> 100 °C/212 °F
Decomposition Temperature:	No data available.
pH:	No data available.

Viscosity

Dynamic viscosity: 126 mPa.s at 10 °C/50 °F
81 mPa.s at 20 °C/68 °F
53 mPa.s at 30 °C/86 °F

Kinematic viscosity: No data available.

Flow Time: No data available.

Solubility(ies)

Solubility in Water: Separated from the emulsion

Solubility (other): Soluble in ether

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: 1.065 g/ml at 20 °C/68 °F
1.059 g/ml at 30 °C/86 °F
1.052 g/ml at 40 °C/104 °F

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: No data available.

Possibility of hazardous reactions: May form flammable gas or vapor. May form explosive gas/air mixtures.

Conditions to avoid: No data available.

Incompatible Materials: No data available.

Hazardous Decomposition Products: No data available.

11. Toxicological information

Acute toxicity (list all possible routes of exposure)

Oral Product: ATEmix: 769 mg/kg

Dermal Product: ATEmix 2,308 mg/kg

Inhalation

Product: Vapour: ATEmix22 mg/l
Dust and mist: Classification not possible due to insufficient data.

Skin Corrosion/Irritation

Product: OECD TG404 (Rabbit, 4 h): Mild irritant undiluted
Not classified based on available data.

Serious Eye Damage/Eye Irritation

Product: OECD TG405 Rabbit: Severe undiluted

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

ACGIH:

No carcinogens present or none present in regulated quantities

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): 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:

Methanol Category 1: visual organs, Central nervous system: (88)
2-Ethylhexyl alcohol Category 3: respiratory tract irritant: (88)

Specific Target Organ Toxicity - Repeated Exposure

Product: Classification not possible due to insufficient 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): 37 mg/l

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Sodium di(2-ethylhexyl) Category 2: (88)

sulfosuccinate

2-Ethylhexyl alcohol Category 3: (88)

Chronic hazards to the aquatic environment

Fish

Product: No data available.
Not classified based on available data of component(s).

Aquatic Invertebrates

Product: No data available.
Not classified based on available data of component(s).

Persistence and Degradability

Biodegradation

Product: 100 % (28 d, OECD TG301B) Readily biodegradable

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log K_{ow})

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. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and sulfur 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**International regulations****IMDG**

UN Number: UN 1993
UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Methanol)
Transport Hazard Class(es)
Class: 3
Label(s): 3
EmS No.: F-E, S-E
Packing Group: III
Limited quantity 5.00L
Excepted quantity E1
Environmentally Hazardous: No
Marine Pollutant: No
Special precautions for user: Not Regulated.

IATA

UN Number: UN 1993
UN Proper Shipping Name: Flammable liquid, n.o.s. (Methanol)
Transport Hazard Class(es):
Class: 3
Label(s): 3
Packing Group: III
Excepted quantity E1
Environmentally Hazardous: No
Marine Pollutant: No
Special precautions for user: Not Regulated.
Other information
Passenger and cargo aircraft: Allowed. 355
Cargo aircraft only: Allowed. 366

UN Proper Shipping Name (JP): その他の引火性液体(他の危険性を有しないもの)(他に品名が明示されているものを除く。)(Methanol)

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.

Emergency Response Guide Number: 127

15. Regulatory information

Industrial Safety and Health Law

Dangerous substances

Flammable materials

Specified Substances Regulation

Class 1 designated chemical substances:

Not Regulated

Class 2 designated chemical substances:

Not Regulated

Class 3 designated chemical substances:

Not Regulated

Organic Solvent Regulation

Class 2 organic solvents:

METHANOL

Ordinance on Prevention of Lead Poisoning:

Not Regulated

Ordinance on Prevention of Tetraalkyl Lead Poisoning:

Not Regulated

Notifiable substances (wt% is sometimes described by range because it's CBI.):

Methanol 10 - 20%

Labeling substances:

Methanol

Confirmed mutagens among the notified chemical substances:

Not Regulated

Confirmed mutagens among the existing chemical substances:

Not Regulated

Confirmed carcinogenic chemical substances:

Not Regulated

Chemical substances that cause skin disorders, etc.:

Methanol

Poisonous and Deleterious Substances Control Act

Not Regulated

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

Class I specified chemical substances:

Not Regulated

Class II specified chemical substances:

Not Regulated

Monitoring chemical substances:

Not Regulated

Priority Assessment Chemical Substances (PACs):

sodium 1,4-bis[(2-ethylhexyl)oxy]-1,4-dioxobutane-2-sulfonate

Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof

Not Regulated.

Fire Service Act:

Group 4: Flammable liquids, Type 2 petroleums, Water soluble liquid, Designated Quantity (2000 litre)
Hazardous rank III

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

Flammable liquids

Air Law, Enforcement Rule:

Flammable liquids

Explosives Control Act:

Not Regulated

High Pressure Gas Safety Act:

Not Regulated

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):	Contact us for information
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.

Version #:

3.0

Revision Date:

2024.06.26

Issue Date:

2021.04.20

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 (88): ECHA-REACH Registered Substances Database