

SAFETY DATA SHEET

1. Product and company identification

Name of chemical (Product name): LEVENOL WX

Product No.: B0003528

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

Recommended use of the chemical and restrictions on use

Intended Use: Additives for textile products
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

Not classified

Label Elements

The substance or product does not require a hazard warning label in accordance with the GHS directive.

Pictograms:	No symbol
Signal Word:	No signal word
Hazard Statement:	Not applicable
Prevention:	Wash thoroughly after handling. If needed, use personal protective equipment as required.
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.
Storage:	Store in a well-ventilated place.
Disposal:	-

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 polyoxyethylene oleyl ether sulfate	27233-34-7	Yes	Yes	26%
Ethylene glycol	107-21-1	Yes	Yes	5.1%

4. First-aid measures

Description of 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.

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.

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. Product itself is non-combustible.
- 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:** Do not discharge into the drains, surface waters or ground water directly.
- Prevention of secondary hazards:** No data available.

7. Handling and storage

Handling

- Technical measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- Local/Total ventilation:** Use an adequate ventilation.
- Safe handling advice:** Use an adequate ventilation. Wash thoroughly after handling. If needed, 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.
- Safe packaging materials:** No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Components	Type	Form of exposure	Exposure Limit Values		Source
Ethylene glycol	TWA		10 ppm		JPISHL OEL (04 2023)
	STEL		50 ppm		JPISHL OEL (04 2023)
	STEL		50 ppm		JP NOEL (04 2023); Exposure guidelines: Effective date: 04/01/2024
	TWA		10 ppm		JP NOEL (04 2023); Exposure guidelines: Effective date: 04/01/2024
	STEL	- Vapor fraction	50 ppm		ACGIH (03 2017)
	STEL	- Aerosol, inhalable.		10 mg/m3	ACGIH (03 2017)
	TWA	- Vapor fraction	25 ppm		ACGIH (03 2017)

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

Individual protection measures, such as personal protective equipment (PPE)

- Eye/face protection:** Safety glasses
- Hand Protection:** Material: Chemical protective gloves
- Skin and Body Protection:** Chemical protective clothing.
- 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:** Yellow brown
- Odor:** Slight characteristic odor
- Odor Threshold:** No data available.
- Freezing point:** -4 °C/25 °F
- 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.
Flash Point:	Not detected
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No data available.
pH:	7 (4% solution)
Viscosity	
Dynamic viscosity:	61 mPa.s (20 °C/68 °F) 39 mPa.s (30 °C/86 °F) 25 mPa.s (40 °C/104 °F)
Kinematic viscosity:	No data available.
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	Very Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	1.0585 g/ml (20 °C/68 °F) 1.0539 g/ml (30 °C/86 °F) 1.0492 g/ml (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:	Stable in general.
Possibility of hazardous reactions:	No data available.
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: LD 50 (Rat): > 2,500 mg/kg Not classified
 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: No data available.
 Not classified based on available data of component(s).

Skin Corrosion/Irritation

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

Serious Eye Damage/Eye Irritation

Product: OECD TG405 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

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: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Repeated Exposure

Product: Classification not possible due to insufficient data.

Components:

Ethylene glycol Category 2: Kidney: (88): Contains substance(s) below threshold for classification.

Aspiration Hazard

Product: No data available.

Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Toxicity to Aquatic Plants

Product: No data available.

Chronic hazards to the aquatic environment:

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Persistence and Degradability:

Biodegradation

Product: 55 % (28 d, OECD TG301B)

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.
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.
Contaminated Packaging: No data available.

14. Transport information

International regulations

IMDG

Not Regulated.

IATA

Not Regulated.

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.

15. Regulatory information

Industrial Safety and Health Law

Specified Substances Regulation

Class 1 designated chemical substances:

Not Regulated

Class 2 designated chemical substances:

Not Regulated

Class 3 designated chemical substances:

Not Regulated

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.):

Ethylene glycol 1.0 - 10%

Labeling substances:

Ethylene glycol

Skin and Eye Damage Substances::

Ethylene glycol

Carcinogens from SDS and Risk Assessment List:

Not Regulated

Confirmed mutagens among the notified chemical substances:

Not Regulated

Confirmed mutagens among the existing chemical substances:

Not Regulated

Confirmed carcinogenic chemical substances:

Not Regulated

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):

Ethylene glycol

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:

Not applicable to dangerous materials / designated flammables.

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

Not Regulated

Air Law, Enforcement Rule:

Not Regulated

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:	Not in compliance with the inventory
Australia Industrial Chem. Act (AIC):	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:	Not 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.

Issue Date: 2022.01.11
Revision Date: 2025.08.12
Version #: 4.0

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