



# SAFETY DATA SHEET

According to JIS Z 7253:2019 Revision date 01-Mar-2023 Revision Number 3.02

# Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	19% Potassium Oleate Solution
Product Code	329-27501,321-27505

Manufacturer FUJIFILM Wako Pure Chemical Corporation

> 1-2 Doshomachi 3-Chome Chuo-ku, Osaka 540-8605, Japan Phone: +81-6-6203-3741

Fax: +81-6-6203-5964 **Supplier** FUJIFILM Wako Pure Chemical Corporation

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Phone: +81-6-6203-3741 Fax: +81-6-6203-2029

For research use only

**Emergency telephone number** Recommended uses and

+81-6-6203-3741 / +81-3-3270-8571

restrictions on use

# **Section 2: HAZARDS IDENTIFICATION**

**GHS** classification Classification of the substance or mixture Serious eye damage/eye irritation

Category 2A

#### **Pictograms**



Signal word

Warning

### **Hazard statements**

H319 - Causes serious eye irritation

# **Precautionary statements-(Prevention)**

- · Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection

### Precautionary statements-(Response)

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

# **Precautionary statements-(Storage)**

Not applicable

#### Precautionary statements-(Disposal)

Not applicable

**Others** 

Other hazards Not available

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Mixture

Formula C18H33KO2

Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Water	82.0-80.0	18.02	N/A	N/A	7732-18-5
Potassium Oleate	18.0-20.0	320.55	(2)-611	(2)-611	143-18-0

Note on ISHL No.: \* in the table means announced chemical substances.

Impurities and/or Additives: Not applicable

# **Section 4: FIRST AID MEASURES**

#### Inhalation

Remove to fresh air. If symptoms persist, call a physician.

#### Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

#### Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

#### Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

#### **Protection of first-aiders**

Use personal protective equipment as required.

# **Section 5: FIRE FIGHTING MEASURES**

### Suitable extinguishing media

The product is not flammable

### Unsuitable extinguishing media

No information available

#### Specific hazards arising from the chemical product

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

# Special extinguishing method

No information available

#### Special protective actions for

# fire-fighters

Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

### Section 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

# Environmental precautions

To be careful not discharged to the environment without being properly handled waste water contaminated.

#### Methods and materials for contaminent and methods and materials for cleaning up

Absorb dry sand, earth, sawdust and the waste. Collect empty container that can be sealed.

# Recoverly, neutralization

No information available

### Secondary disaster prevention measures

Clean contaminated objects and areas thoroughly observing environmental regulations.

### Section 7: HANDLING AND STORAGE

#### **Handling**

#### **Technical measures**

Avoid contact with strong oxidizing agents. Use with local exhaust ventilation.

#### **Precautions**

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle In places other than those specified, should not be smoking or eating and drinking Should not be brought contaminated protective equipment and gloves to rest stops Deny unnecessary entry of non-emergency personnel to the handling area

#### Safety handling precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Storage

Safe storage conditions

Storage conditions Store away from sunlight in well-ventilated place at room temperature (preferably cool).

Keep container tightly closed.

Safe packaging material Glass

Incompatible substances Strong oxidizing agents

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Engineering controls**

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and handand eye-wash facility. And display their position clearly.

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Personal protective equipment

Respiratory protection Protective mask Hand protection Protection gloves

Eye protection protective eyeglasses or chemical safety goggles

Skin and body protection Long-sleeved work clothes

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

# **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Form** 

Color Colorless - light yellow

Appearance liquid

Odor
Melting point/freezing point
Boiling point, initial boiling point and boiling range
Flammability
Evaporation rate:
no data available

Upper/lower flammability or

explosive limits

Upper:
Lower:
no data available
pH
10 - 12

Viscosity (coefficient of viscosity)

no data available

Dynamic viscosity

no data available

**Solubilities** water and Ethanol at the rate of any miscible .

no data available n-Octanol/water partition coefficient:(log Pow) Vapour pressure no data available Specific Gravity / Relative density no data available Vapour density no data available **Particle characteristics** no data available

# **Section 10: STABILITY AND REACTIVITY**

### **Stability**

Reactivity no data available

Chemical stability Stable under recommended storage conditions.

**Hazardous reactions** 

None under normal processing

Conditions to avoid

Extremes of temperature and direct sunlight

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

Carbon monooxide (CO), Carbon dioxide (CO2)

# Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity

The state of the s				
	Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
	Potassium Oleate	> 5,000 mg/kg ( Rat )	> 2,000 mg/kg ( Rat )	N/A

Chemical Name	Acute toxicity -oral- source	Acute toxicity -dermal- source	Acute toxicity -inhalation gas-
	information	information	source information
Potassium Oleate	Based on the NITE GHS	Based on the NITE GHS	Based on the NITE GHS
	classification results.	classification results.	classification results.

Chemical Name	Acute toxicity -inhalation vapor- source information	Acute toxicity -inhalation dust- source information	Acute toxicity -inhalation mist- source information
Potassium Oleate	Based on the NITE GHS	Based on the NITE GHS	Based on the NITE GHS
	classification results.	classification results.	classification results.

Skin irritation/corrosion

Chemical Name	Skin corrosion/irritation source information
Potassium Oleate Based on the NITE GHS classification resu	
Serious eye damage/ irritation	
Chemical Name	Serious eye damage/irritation source information
Potassium Oleate	Based on the NITE GHS classification results.

Potassium Oleate

Respiratory or skin sensitization Respiratory or Skin sensitization source information **Chemical Name** Potassium Oleate Based on the NITE GHS classification results.

Reproductive cell mutagenicity

Reproductive cen initiagementy			
Chemical Name	germ cell mutagencity source information		
Potassium Oleate	Based on the NITE GHS classification results.		

Carcinogenicity

Chemical Name	Carcinogenicity source information
Potassium Oleate	Based on the NITE GHS classification results.
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Reproductive toxicity

	Chemical Name		Reproductive toxicity source information	
		Potassium Oleate	Based on the NITE GHS classification results.	
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STOT-single exposure

Chemical Name	STOT -single exposure- source information
Potassium Oleate	Based on the NITE GHS classification results.

STOT-repeated exposure

Chemical Name	STOT -repeated exposure- source information
Potassium Oleate	Based on the NITE GHS classification results.
Aspiration hazard	
Chemical Name	Aspiration Hazard source information
Potassium Oleate	Based on the NITE GHS classification results.

# **Section 12: ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Potassium Oleate	N/A	N/A	EC50: Daphnia magna 0.57
			mg/L 48 h

#### Other data

Chemical Name	Short-term (acute) hazardous to the aquatic environment source	Long-term (chronic) hazardous to the aquatic environment source
	information	information
Potassium Oleate	Based on the NITE GHS classification	Based on the NITE GHS classification
	results.	results.

Persistence and degradabilityNo information availableBioaccumulative potentialNo information availableMobility in soilNo information availableHazard to the ozone layerNo information available

# **Section 13: DISPOSAL CONSIDERATIONS**

#### Waste from residues

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Contaminated container and contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

# **Section 14: TRANSPORT INFORMATION**

ADR/RID Not regulated

UN number -

Proper shipping name:

UN classfication

Subsidiary hazard class

Packing group

Marine pollutant Not applicable

IMDG Not regulated

UN number -

Proper shipping name: UN classfication Subsidiary hazard class

Packing group

Marine pollutant (Sea) Not applicable

Transport in bulk according to No information available

Annex II of MARPOL 73/78 and

the IBC Code

IATA Not regulated

UN number -

Proper shipping name: UN classfication Subsidiary hazard class

Packing group

Environmentally Hazardous Not applicable

#### **Substance**

# **Section 15: REGULATORY INFORMATION**

**International Inventories** 

**EINECS/ELINCS** Listed **TSCA** Listed

Japanese regulations

Fire Service Act Not applicable **Poisonous and Deleterious** Not applicable

**Substances Control Law** 

Industrial Safety and Health Act Not applicable Regulations for the carriage Not applicable and storage of dangerous

goods in ship

**Civil Aeronautics Law** Not applicable

**Marine Pollution Prevention** 

Enforcement ordinance Appendix No. 1 Noxious liquid substance Category Y

Law

Pollutant Release and Transfer Not applicable

**Register Law** (~2023.3.31)

Pollutant Release and Transfer

Not applicable

Register Law

(2023/4/1~)

**Export Trade Control Order** Not applicable

# **Section 16: OTHER INFORMATION**

Key literature references and sources for data etc.

NITE: National Institute of Technology and Evaluation (JAPAN)

http://www.safe.nite.go.jp/japan/db.html IATA dangerous Goods Regulations

RTECS:Registry of Toxic Effects of Chemical Substances Japan Industrial Safety and Health Association GHS Model SDS

Dictionary of Synthetic Oraganic Chemistry, SSOCJ, Koudansha Scientific Co.Ltd.

Chemical Dictionary, Kyouritsu Publishing Co., Ltd.

### Disclaimer

This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z7252(2019). \*JIS: Japanese Industrial Standards

**End of Safety Data Sheet**