



SAFETY DATA SHEET

According to JIS Z 7253:2019 **Revision date** 19-Sep-2023 Revision Number 3.04

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	Zinc	Stearate			
Product Code	Code 265-00395,263-00391				
Supplier Emergency telephone n Recommended uses Restrictions on use	FUJIFILM Wako Pure Chemical Corporation 1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan Phone: +81-6-6203-3741 Fax: +81-6-6203-2029				
	Sectio	n 2: HAZARDS I	DENTIFICAT	ION	
GHS classification Classification of the substance or mixture Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)					
Pictograms Signal word	None				
Hazard statements Not a hazardous subs	tance or mixture ac	cording to the Globally	Harmonized Syste	em (GHS)	
Precautionary statemen • Not applicable Precautionary statemen • Not applicable Precautionary statemen • Not applicable Precautionary statemen • Not applicable	ts-(Response) ts-(Storage)				
Others Other hazards					
Sec	tion 3: COMP	OSITION/INFOR	MATION ON	INGREDIENTS	
Single Substance or Mixture Substance					
Formula [CH3(CH2)16COO]2Zn					
Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Zinc stearate	12.0 - 14.5 (as ZnO)	632.32	(2)-615	*	557-05-1
Note on ISHL No.:					
Impurities and/or Addit	ives: Not ap	plicable			
	Sec	tion 4: FIRST All	D MEASURE	S	

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

Water spray (fog), Carbon dioxide (CO2), Foam, Extinguishing powder, Sand

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

Sweep up and gather scattered particles, and collect it in an empty airtight container.

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.

<u>Storage</u> Safe storage conditions Storage conditions

Safe packaging material Incompatible substances

Store away from sunlight in well-ventilated place at room temperature (preferably cool). Keep container tightly closed. Polypropylene, Polyethylene 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

Chemical Name	JSOH (Japan)	ISHL (Japan)	ACGIH
Zinc stearate	N/A	N/A	TWA: 10 mg/m ³ inhalable
557-05-1			particulate matter
			TWA: 3 mg/m ³ respirable
			particulate matter TWA: 10
			mg/m ³ inhalable particulate
			matter except stearates of toxic
			metals
			TWA: 3 mg/m ³ respirable
			particulate matter except
			stearates of toxic metals

Personal protective equipment

Respiratory protection Hand protection Eye protection Skin and body protection General hygiene considerations Dust mask (JIS T 8151) chemical protective gloves (JIS T 8116) protective eyeglasses or chemical safety goggles Long-sleeved work clothes

Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

White - slightly yellow
powder
Odorless, or, Slightly characteristic odor
128 - 130 °C
no data available
no data available
no data available
277 °C
420 °C
no data available
water, Ethanol: practically insoluble, or insoluble.
no data available
no data available
1.1
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
 Stable under recommended storage conditions.

 None under normal processing
 Conditions to avoid

 Conditions to avoid
 Extremes of temperature and direct sunlight

 Incompatible materials
 Strong oxidizing agents

 Hazardous decomposition products
 Carbon monooxide (CO), Carbon dioxide (CO2), Metal oxides

Section 11: TOXICOLOGICAL INFORMATION

	toxicity
Acute	LUXICILY

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Zinc stearate	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 50 mg/L(Rat)4 h

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

Chemical Name	Acute toxicity -inhalation vapor- source information	Acute toxicity -inhalation dust- source information	Acute toxicity -inhalation mist- source information
Zinc stearate	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	
Zinc stearate	Based on the NITE GHS classification results	
Serious eye damage/ irritation		
Chemical Name	Serious eye damage/irritation source information	
Zinc stearate	Based on the NITE GHS classification results	
Respiratory or skin sensitization		
Chemical Name	Respiratory or Skin sensitization source information	
Zinc stearate	Based on the NITE GHS classification results	
Reproductive cell mutagenicity		
Chemical Name	germ cell mutagencity source information	
Zinc stearate	Based on the NITE GHS classification results.	
Carcinogenicity		
Chemical Name	Carcinogenicity source information	
Zinc stearate	Based on the NITE GHS classification results	

Reproductive toxicity

Chemical Name	Reproductive toxicity source information
Zinc stearate	Based on the NITE GHS classification results.
STOT-single exposure	
Chemical Name	STOT -single exposure- source information
Zinc stearate	Based on the NITE GHS classification results
STOT-repeated exposure	
Chemical Name	STOT -repeated exposure- source information
Zinc stearate	Based on the NITE GHS classification results
Aspiration hazard	
Chemical Name	Aspiration Hazard source information

Zinc stearate

Based on the NITE GHS classification results.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Zinc stearate	N/A	N/A	EC50 : Daphnia magna
			> 100 mg/L 48 h

Other data

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

Persistence and degradability	No inf
Bioaccumulative potential	No inf
Mobility in soil	No inf
Hazard to the ozone layer	No inf

No information available No information available No information available No 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 Not applicable Marine pollutant (Sea) No information available Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code ΙΑΤΑ Not regulated **UN number** Proper shipping name: **UN classfication** Subsidiary hazard class Packing group Environmentally Hazardous Not applicable Substance

Section 15: REGULATORY INFORMATION

Japanese regulations Fire Service Act Poisonous and Deleterious Substances Control Law Industrial Safety and Health Ac	Not applicable Not applicable tNot applicable
Regulations for the carriage and storage of dangerous goods in ship	Not applicable
Civil Aeronautics Law Pollutant Release and Transfer Register Law (2023.4.1-)	Not applicable Not applicable
Water Pollution Control Act Export Trade Control Order Air Pollution Control Law	Specified substances(Law Art.2 Para.4, Enforcement Order Art.3-3) Not applicable Hazardous Air Pollutants
	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. etc

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 Z 7252:2019. *JIS: Japanese Industrial Standards

End of Safety Data Sheet