

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Revision Date 14-Feb-2020

Version 1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

**Product Name** Zinc Stearate  
**Product Code** 265-00395,263-00391  
**CAS RN** 557-05-1  
**Pure substance/mixture** Substance

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** For research purposes.  
**Uses advised against** No information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

FUJIFILM Wako Pure Chemical Corporation  
1-2 Doshomachi 3-Chome  
Chuo-ku, Osaka 540-8605, Japan  
Phone: +81 (0)6-6203-3741  
Fax: +81 (0)6-6203-4640

**Supplier**

FUJIFILM Wako Chemicals GmbH  
Fuggerstrasse 12, D-41468 Neuss, Germany  
Phone: +49 (0)2131-311 158 Fax: +49 (0)2131-311 100  
FUJIFILM Wako Chemicals USA, Inc.  
1600 Bellwood Road, Richmond, VA 23237-1326, U.S.A.  
Phone: +1 (0)804-271-7677 Fax: +1 (0)804-271-7791

For further information, please contact us.

**1.4. Emergency telephone number**

As above or toxicological information center  
**Emergency telephone** +81-6-6203-3741

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [CLP].

**2.2. Label elements**

This product does not need to be labelled according to Regulation (EC) No. 1272/2008 [CLP]

**Pictograms**

**Signal word** none

**2.3. Other hazards**

**General Hazards** No information available

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Chemical Name	EC No	CAS RN	Index No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]

Zinc stearate	209-151-9	557-05-1	N/A	12.0 - 14.5(as ZnO)	Not classified
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### 3.3 Additional information

Impurities and/or Additives : Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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.
<b>Symptoms</b>	No information available.
<b>Note to physicians</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing media</b>	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol resistant foam.
<b>Unsuitable Extinguishing media</b>	No information available

**5.2. Special hazards arising from the substance or mixture** Thermal decomposition can lead to release of irritating and toxic gases and vapors.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**5.4. Additional information** No information available

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	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.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.
<b>6.2. Environmental precautions</b>	To be careful not discharged to the environment without being properly handled waste water contaminated. See Section 12 for additional ecological information.
<b>6.3. Methods and material for containment and cleaning up</b>	Sweep up and gather scattered particles, and collect it in an empty airtight container.
<b>Methods for cleaning up</b>	Take up mechanically, placing in appropriate containers for disposal.
<b>6.4. Reference to other sections</b>	See Section 12: Ecological Information, Section 13 : Disposal considerations

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Protective measures** Ensure adequate ventilation, especially in confined areas. Avoid contact with strong oxidizing agents.  
Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions** Store away from sunlight in well-ventilated place at room temperature (preferably cool).  
Keep container tightly closed.

**Packaging materials** Polypropylene. Polyethylene.

**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** No information available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Zinc stearate 557-05-1		STEL: 20 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Zinc stearate 557-05-1		TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Zinc stearate 557-05-1		TWA: 3 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup> TWA: 4 mg/m <sup>3</sup> STEL: 12 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup> STEL: 30 mg/m <sup>3</sup>

**8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection** protective eyeglasses or chemical safety goggles.

**Skin and body protection** Long-sleeved work clothes.

**Respiratory protection** Dust mask.

**Environmental exposure controls** No information available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

**Color** White - slightly yellow

**Appearance** powder

**Odor**

Odorless or light characteristic odor

**pH****Melting point / melting range**

128-130 °C

**Boiling point/boiling range**

No data available

**Flash point**

277 °C

**Evaporation rate**

No data available

**Flammability (solid, gas)**

No data available

**Flammability Limits in Air****Upper**

No data available

**Lower**

No data available

**Vapor pressure**

No data available

**Vapor density**

No data available

**Specific Gravity / Density**

1.1

**Solubility(ies)**

water , Ethanol : practically insoluble,or insoluble .

**Partition Coefficient**

No data available

**(n-octanol/water)****Autoignition temperature**

420 °C

**Decomposition temperature**

No data available

**Kinematic viscosity**

No data available

**Dynamic viscosity**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity** No data available

**10.2. Chemical stability**

Stable under recommended storage conditions.

Explosion data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge none.

**10.3. Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid** Extremes of temperature and direct sunlight.

**10.5. Incompatible materials** Strong oxidizing agents.

**10.6. Hazardous decomposition products** Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Metal oxides.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available

**STOT - single exposure** No information available

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

**CMR Effects** No information available

To the best of our knowledge, chemical, physical and toxicological properties have not been fully investigated.

**SECTION 12: Ecological information****12.1. Toxicity**

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

**12.2. Persistence and degradability** No information available.

**12.3. Bioaccumulative potential** No information available.

**12.4. Mobility in soil** No information available.

**Mobility**

**12.5. Results of PBT and vPvB assessment** No information available

**12.6. Other adverse effects** No information available

To the best of our knowledge, chemical, physical and toxicological properties have not been fully investigated.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Method of disposing waste from residues / unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Precautionary including method of disposing contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal.

**SECTION 14: Transport information**

<b>IMDG</b>	Not regulated
<b>14.1 UN/ID No</b>	-
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special provisions</b>	Not regulated
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

<b>IATA</b>	Not regulated
<b>14.1 UN/ID No</b>	-
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special provisions</b>	Not regulated

<b>ADR/RID</b>	Not regulated
<b>14.1 UN/ID No</b>	-
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special provisions</b>	Not regulated

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water hazard class (WGK)**

Chemical Name	WGK Classification (VwVwS)
Zinc stearate	class 1

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

<b>TSCA</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>DSL</b>	Listed
<b>NDSL</b>	-
<b>ENCS</b>	Listed

**15.2. Chemical safety assessment**

No information available

## **SECTION 16: Other information**

**Revision Date** 14-Feb-2020

**Key or legend to abbreviations and acronyms used in the safety data sheet**

No information available

**Disclaimer**

The information provided in this Material 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, use, processing, storage, transportation, disposal and release 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.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**