

Safety Data Sheet



SECTION 1: Identification of the substance/mixture and the company/undertaking

1.1 Production identifiers

Product name : ZINC STEARATE
Brand : CJ Chemicals LLC
CAS-No. : 557-05-1

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

Identified uses : Laboratory chemicals, synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : CJ Chemicals LLC
3469 E Grand River Rd #112
Howell, MI 48843
United States

Telephone : +1 (888) 274-1044

1.4 Emergency Telephone

Emergency Phone # : 1-800-424-9300 CHEMTREC (USA)
1-703-527-3887 CHEMTREC (international) 24 hours/day; 7 days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (29CFR1910.1200 Appendix A) : None.
GHS physical hazard : None.
GHS health hazard : None.
GHS environmental hazard : None.

2.2 Label warnings of the substance or mixture

Signal word : None.

CA4812 Zinc Stearate Ultrafine

Safety Data Sheet

Hazard statements : None.
Precautionary statements : None.
Hazard symbol (pictogram) : None.

2.3 Hazards not otherwise classified

Other hazards : OSHA TWA 5 mg/m³ respirable dust.
: OSHA TWA 15 mg/m³ total.
: Refer to Section 8.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Common name	Percent	CAS number	Health hazard
Zinc Dioctadecanoate	Zinc Stearate	100	557-05-1	None

3.2 Mixtures

Chemical name	Common name	Typical %	CAS number	Health hazard
Not applicable.				

SECTION 4: First-aid measures

4.1 Description of first-aid measures

Exposure route	First-aid measure
Inhalation	: Remove the victim into fresh air. Observe victim's breathing. If breathing is labored seek immediate medical attention.
Skin contact	: Wash immediately with soap and water. If irritation occurs, seek medical attention. Launder contaminated clothing.
Eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do. If irritation occurs, seek immediate medical (ophthalmologist) attention.
Ingestion	: Rinse mouth with plenty of water. For ingestion of large quantities seek immediate medical attention. Do not induce vomiting. Contact poison control center.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms after inhalation	: May experience dizziness and headache. : Irritation of the nose and throat.
Symptoms after skin contact	: Mild irritation of the skin may occur.
Symptoms after eye contact	: Mild irritation of the eye tissue may occur.
Symptoms after ingestion	: Mild tingling of the tongue and mouth. : May cause gastrointestinal irritation, nausea and vomiting.

CA4812 Zinc Stearate Ultrafine

Safety Data Sheet

4.3 Indication of any immediate medical attention and special treatment needed

Treatment after inhalation	: If breathing is labored seek immediate medical attention.
Treatment after skin contact	: If skin irritation occurs seek immediate medical attention.
Treatment after eye contact	: If eye irritation occurs seek immediate ophthalmologist attention.
Treatment after ingestion	: If ingestion of a large quantity seek immediate poison control center.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media	: Carbon dioxide, foam, dry chemical and water spray.
Unsuitable media	: None known.

5.2 Specific hazards arising from the substance or mixture

Direct fire hazard	: Not flammable.
Indirect fire hazard	: Exposure to temperature above the flash point (277°C). : Dust explosion hazard.
Explosive hazard	: Exposure to temperature above the flash point (277°C). : Dust explosion hazard.
Reactivity	: Reactivity with oxidizers and acids.
Combustion products	: Carbon dioxide, carbon monoxide, zinc oxide and zinc.

5.3 Special protective equipment and precautions for fire-fighters

Protective equipment	: Full protective clothing. : Self contained breathing apparatus.
Precautions	: Material will burn, but not ignite readily. : Material is a dust explosion hazard. : Contact may cause irritation to eyes. : Fire may produce irritating and/or toxic gases. : Runoff from fire control may cause pollution.
Emergency response guide	: Not a hazardous material.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: If substance is a dust, stay upwind.
Protective equipment	: Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If material is a dust wear dust mask or self contained breathing apparatus.
Emergency procedures	: Mark the spill area with hazard tape or cones. Contain the spill area. Keep away from streams, rivers and lakes. If substance is a dust, alert immediate neighborhood to close windows and doors. Contain

CA4812 Zinc Stearate Ultrafine

Safety Data Sheet

and dissipate dust via spraying with water.

6.2 Environmental precautions

Precautions : Keep out of streams, rivers and lakes. Substance is regulated as oil under the Clean Water Act. Abide by all laws per this regulation.

6.3 Methods and materials for containment and cleanup

Methods : Use broom to sweep and collect substance.
: Use shovel to collect substance from ground contamination and transfer into containers for disposal.

Materials : Substance is a powder and cannot be collected via absorbent materials.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling temperature : About 10 - 40°C in bags.
: About 10 - 35°C in bulk solid granule or powder form.

Handling equipment : Polyethylene, polyvinylchloride, rubber and stainless steel (grade 304) for lines and hoses. Forced dry air or nitrogen for granule or powder transport through lines.

7.2 Conditions for safe storage, including any incompatibilities

Storage area : Store in dry area. Store at room temperature. Store in dyke area to contain any spills. Protect from heat.

Packaging materials : Polyethylene lined paper bags.

Incompatibilities : Oxidizers and acids.

SECTION 8: Exposure controls/personal protection

8.1 Exposure controls

OSHA PEL : TWA 5 mg/m³ respirable.
: TWA 15 mg/m³ total.

ACGIH TLV : TWA 10 mg/m³.

NIOSH REL : TWA 5 mg/m³ respirable.
: TWA 10 mg/m³ total.

8.2 Appropriate engineering controls

Engineering controls : If a dust exists, install ventilation equipped with filters. Ventilation should be 10 air exchanges per hour. Local exhaust ventilation is recommended.

CA4812 Zinc Stearate Ultrafine

Safety Data Sheet

8.3 Personal protection equipment

Personal protective equipment : Rubber gloves and safety glasses. Dust mask if dust exists.
Personal protective equipment :
pictograms



SECTION 9: Physical and chemical properties

9.1 Physical and chemical properties

Appearance : Fine white powder.
Odor : Faint fatty.
Odor threshold : No data available.
pH : No data available. Substance is not readily soluble in water.
Melting point : 130°C.
Boiling point : Decomposes.
Flash point : 277°C, Open Cup.
Evaporation rate : No data available.
Flammability : Not flammable.
Lower flammability limit : 15 g/m³ particles less than 74 microns.
Upper flammability limit : 20 g/m³.
Vapor pressure : No data available.
Vapor density : No data available.
Density : 1.095 g/cm³ at 70°C.
Solubility : Soluble in benzene.
Partition coefficient for n-octanol/water : Insoluble in water.
Auto-ignition temperature : No data available.
Decomposition temperature : No data available.
Viscosity : No data available.

9.2 Other information

Other information : No additional information available.

SECTION 10: Stability and reactivity

Reactivity : May react violently with oxidizers and strong acids.
Chemical stability : Stable under storage conditions.

CA4812 Zinc Stearate Ultrafine

Safety Data Sheet

Possibility of hazardous reactions	: Hazardous polymerization does not occur.
Conditions to avoid	: Avoid formation of dust and aerosols. Substance is a dust explosion hazard. : Pressure, shock, static discharge or vibration does NOT result in a hazardous condition.
Incompatible materials	: Oxidizers and acids.
Hazardous decomposition products	: Carbon dioxide, carbon monoxide, zinc oxide and zinc.

SECTION 11: Toxicological information

11.1 Information on the likely routes of exposure

Inhalation exposure	: From dust.
Skin exposure	: From dust.
Ingestion exposure	: Not a likely route of exposure.
Eye contact	: From dust.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: Labored breathing and irritation of the lungs may occur.
Skin contact	: Mild skin irritation may occur.
Ingestion	: Mild irritation of the mouth, tongue, esophagus and stomach may occur.
Eye contact	: Mild eye irritation may occur.

11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation	: Chronic effects are not known.
Skin contact	: Chronic effects are not known.
Ingestion	: Chronic effects are not known.
Eye contact	: Chronic effects are not known.

11.4 Numerical measures of toxicity

Oral LD50	: Rat > 5000 mg/kg.
Skin LD50	: Rabbit > 2000 mg/kg.
Ingestion LD50	: No data available.
Inhalation LD50	: Rat > 200 mg/l 1 hour.
Skin primary irritation	: Rabbit 0.5 g 4 hour no irritation. : Rabbit 500 mg 24 hour no irritation.
Eye primary irritation	: Rabbit Draize no irritation.

11.5 Carcinogenicity