

ZINC STEARATE ED HS

Date Issued:	02/01/2013
MSDS No.:	1003005

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Zinc Stearate EDHS; Zinc Stearate EDHS Vegetable
PHYSICAL FORMS: Pastille; Powder
CHEMICAL NAME: Zinc stearate
GENERAL USE: Chemical intermediate, Lubricant
MANUFACTURE: PMC Biogenix, Inc.
 1231 Pope Street
 Memphis, TN 38108 USA
SERVICE CONTACT NUMBER: 800-641-2152
EMERGENCY CONTACT: Environmental Health and Safety Department
EMERGENCY PHONE: 901-320-5820
24 HR. EMERGENCY TELEPHONE NUMBER: CHEMTREC (24 hours) 800-424-9300

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Usual hazards associated with organic dusts. The possibility of explosions exists under dusty conditions. Avoid dusting when handling and avoid all possible sources of ignition (Spark and Flame) .

Potential Acute Health Effects

Eye: May cause eye irritat ion;
Skin: May cause mild skin irritation;
Ingestion: Large dose may cause abdominal spasms and diarrhea .
Inhalation: Symptoms from excessive inhalation of dust may include coughing and difficult breat hing.
Chronic: No information available

GHS Label elements, including precautionary statements

Pictogram None
Signal word None
Hazard statement(s) None

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P280 Wear protective gloves/eye protection/face protection
P302 + P352 IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS	EINEC No.	% BY WEIGHT
Zinc stearate	557-05-1	209-151-9	98

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Octadecanoic acid	57-11-4	200-313-4	2
No Hazardous Ingredients			

4. FIRST AID MEASURES

Inhalation	Remove to fresh air
Skin Contact	Wash skin thoroughly with soap and water for at least 15 minutes. If redness or irritation occurs, seek medical attention.
Eye Contact	Immediately flush eyes with water and continue washing for at least 15 minutes. If redness or irritation occurs, seek medical attention.
Indigestion	No emergency care anticipated.
Notes to Physician	Treat symptomatically and supportively

5. FIRE-FIGHTING MEASURES

Flash point:	451 °F 233 °C
Autoignition temperature	Not available
Extinguishing Media	Dry chemical , water spray, CO2, foam
Fire Fighting Procedure:	Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.
Special protective equipment for fire fighting:	Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.
Hazardous combustion products:	Carbon monoxide; Carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	This product is insoluble in water and will float on the surface.
Methods for cleaning up	Avoid dust formation. Sweep up and collect in a suitable container for disposal. Observe government regulations.

7. HANDLING AND STORAGE

Handling	Avoid breathing dust . Avoid dispersion of dust to reduce fire and explosion potential . Do not get in eyes, on skin, on clothing., Use only in well ventilated areas. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge. Do not breathe hot vapors.
Storage	Normal precautions common to good safety practice should be followed in storage. Store at ambient temperature. Repair all broken containers immediately.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure limit values

Component	Country	Type	Value	Remark
Zinc stearate	USA	PEL, OSHA	5 mg/m3	Respirable dust
		TWA-TLV,ACCIH	10 mg/m3	Total dust for nuisance particulates
Octadecanoic acid	USA	PEL, OSHA	5 mg/m3	Respirable dust
		PEL, OSHA	15 mg/m3	Total dust
		TWA, ACGIH	10 mg/m3	Total dust for nuisance particulates

Component	Type	Value	Remark
Particulates not otherwise regulated	TWA, ACGIH	10 mg/m3	Total inhalable dust
	TWA, ACGIH	3 mg/m3	Respirable fraction

Consult local authorities for acceptable provincial values

Engineering Measures	Use local ventilation or engineering controls as needed to maintain personnel exposure below TLV
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Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.
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Personal Protective Equipment

- Respiratory Protection** Use NIOSH/MSMA certified dusk mask and/or respirator where appropriate
- Hand Protection** Neoprene
- Eye Protection** Monogoggles.
- Skin Protection** Rubber or plastic apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	Off-white
Odor	Slightly fatty
Boiling Point	Decompose
Melting Point	120 °C (248 °F)
Density	~ 1.1 g/cm ³ at 25 °C
Solubility in water	Insoluble
Autoignition temperature	Not available
Flash point	233 °C (451 °F) Method: Pensky -Martens closed cup ASTM D 93
Percent volatiles	< 1 %(m)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to avoid	None Known
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide ; Carbon dioxide

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Hazardous polymerization

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

- EYES:** May cause slight irritation.
- SKIN CONTACT:** May cause slight irritation.
- SKIN ABSORPTION:** Low acute toxicity
- INHALATION :** Dust may cause irritation of the respiratory tract
- SWALLOWING:** Low acute toxicity
- Dermal LD₅₀:** No data available
- Oral LD₅₀:** No data available
- Inhalation LC₅₀:** No data available

12. ECOLOGICAL INFORMATION

- Ecotoxicological Information** No data available
- Bioaccumulative Potential** Bioaccumulative unlikely.
- Comments** Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATION

- General** It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product., Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.
- Non-cleaned packages** Subject completely emptied paper bags to paper recycling . Containers of this material may retain product residues (dust, solids); observe all warnings and precautions listed for the product

14. TRANSPORTATION INFORMATION

- DOT** This product is not regulated by DOT
- Canada Transportation of Dangerous Goods** This product is not regulated by TDG
- IMDG Classification** This product is not regulated by IMDG
- ICAO Classification** This product is not regulated by ICAO

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15. REGULATORY INFORMATION

UNITED STATES

SARA Title III (Superfund Amendments and Reauthorization Act)

313 Reportable Ingredients:

Chemical Name	CAS Number	Reporting requirement
Zinc stearate	557-05-1	16%

302/304 Emergency Planning

Emergency Plan: None

CERCLA (Comprehensive Response, Compensation and Liability Act)

CERCLA RQ: None

EPA Hazard Categories

SARA 311/312: None

TSCA (Toxic Substance Control Act)

TSCA Status: This product is on the TSCA inventory

Pennsylvania Right-To-Know Hazardous Substance List - Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products

Chemical Name	CAS Number	Max Weight %
Zinc stearate	557-05-1	

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical Name	CAS Number	New Jersey TS Number
Zinc stearate	557-05-1	
Octadecanoic acid	57-11-4	

California Proposition 65 Does not contain any contaminants or byproducts known by the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 Safe Drinking Water and Toxic Enforcement Act.

CANADA

WHMIS CLASSIFICATION: Not a WHMIS controlled product.

CPR Compliance This Product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR

Domestic Substance List (Inventory): This product is on the DSL

Chemical Inventory

- Canada:** This product is on the DSL.
- Europe:** This product is on the EINECS inventory.
- United States:** This product is on the TSCA inventory.
- Australia:** This product is on the AICS inventory.
- China:** This product is on the IECSC Inventory.
- Japan:** This product is on the ENCS inventory.
- Korea:** This product is listed on the Existing Chemicals List (ECL).
- Philippines:** This product is on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

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16. OTHER INFORMATION

Revision 3
Supersedes Date 04/01/2011
Approved By Safety Health & Environmental Department
Prepared By: Quality Assurance, Product Safety

Reasons for Revision

Review and change of MSDS format

HMIS Rating

HEALTH:	1	FLAMMABILITY:	1	PHYSICAL HAZARD:	0	PERSONAL PROTECTION:	
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Manufacturer Disclaimer: The opinions expressed herein are those of qualified experts within PMC Biogenix Inc.. We believe that the information contained herein is current as of the date of this safety data sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of PMC Biogenix Inc., it is the user's obligation to determine the conditions of safe use of the products.