

AERCHEM INC.
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Bloomington, IN 47404

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Product Name: Zinc Stearate
Chemical Formula: $Zn(C_{17}H_{35}COO)_2$
CAS No.: 557-05-1

SECTION 2: PHYSICAL DATA

Physical Data:

State:	Solid (powder)
Boiling point:	N/A
Specific Gravity (Water=1):	1.1
Solubility in water:	Negligible. May float on water.
Melting Point:	120°C

SECTION 3: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	256°C
Lower Explosive Limit:	0.03 g/L air (LEL)
Upper Explosive Limit:	0.5 g/L air (UEL)
Extinguishing Media:	Water spray, CO ₂ , dry chemical
Unusual Fire and Explosion Hazards:	Dust explosions may occur under the LEL & UEL in air in confined space in contact with hot surfaces or open flames, frictional sparks or mechanical heat, static electricity or by autoignition

SECTION 4: REACTIVITY DATA

Reactivity Data:

Stable Unstable

Incompatibilities:

Strong oxidizers

Hazardous Decomposition or byproducts:
oxide

Carbon dioxide and carbon monoxide, and zinc fumes.

Hazardous Polymerization:

None

SECTION 5: HEALTH HAZARD DATA

Threshold Limit Value (TLV):

10 mg/m³

Chemical Name:

Zinc Stearate

CAS Number:

557-05-1

Precautionary Information: Avoid contact with skin and eyes. Do not ingest.

Primary Routes of Exposure:

Inhalation

Dust can cause discomfort of the nose, throat, and upper respiratory tract, coughing and choking. Can cause discomfort with prolonged contact. Can cause gastro intestinal discomfort if swallowed. Can cause discomfort with contact.

Skin

Ingestion

Eye Contact

Emergency First Aid Procedures:
water.

Remove to fresh air. Wash with mild soap and

thorough

Consult physician if swallowed. Flush eyes with water. Remove any contact lenses to ensure flushing.

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SECTION 6: SPILLAGE AND DISPOSAL PROCEDURES

Spillage:

Workplace:	Remove ignition sources. Shovel into drums. Disposal should be in accordance with federal, state, and local regulations.
Soil Release:	Treat the same as workplace release.
Water Release:	Notify the proper government agency.
Air Release:	Avoid raising dust clouds. Dust explosion can occur. Refer to Section 3 "Special Fire & Explosion Hazard".

SECTION 7: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Storage:	Store in cool, dry area, away from heat, spark or flame.
Handling:	Avoid skin and eye contact. Wash hands after handling. Wear proper personal protective equipment.

SECTION 8: SPECIAL PROTECTION INFORMATION

Ventilation:	Sufficient to control dust.
Eye Protection:	Safety glasses
Skin:	Ordinary work clothes
Respiratory Protection:	None, except with repeated or prolonged contact where a half mask with a cartridge is recommended.
