

[Zinc Oleate](#)
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Linear Formula	C ₅₈ H ₁₀₄ O ₈ Zn
Pubchem CID	6436086
MDL Number	MFCD00014384
EC No.	209-154-5
IUPAC Name	zinc; (Z)-octadec-9-enoate
Beilstein/Reaxys No.	N/A
SMILES	CCCCCCCC=CCCCCCCCC(=O)[O-].CCCCCCCC=CCCCCCCCC(=O)[O-].[Zn+2]
InChI Identifier	InChI=1S/2C18H34O2.Zn/c2*1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18(19)/20;/h2*9-10H,2-8,11-17H2,1H3,(H,19,20)/q;-2/p-2/b2*10-9-;
InChI Key	LPEBYPDZMMWMLZ-CVBJYQLSA-L

Signal Word	N/A
Hazard Statements	N/A
Hazard Codes	N/A
Risk Codes	N/A
Safety Statements	N/A
Transport Information	N/A

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SAFETY DATA SHEET

Date Accessed: 05/13/2024

Date Revised: 01/15/2022

SECTION 1. IDENTIFICATION

Product Identifiers: All applicable American Elements product codes for CAS #557-07-3

Relevant identified uses of the substance:
Scientific research and development

Supplier details:
American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351

Emergency telephone number:
Domestic, North America +1 800-424-9300
International +1 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)

GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Eye Irrit. 2A H319 Causes serious eye irritation.

Hazards not otherwise classified

No data available

GHS label elements

GHS label elements, including precautionary statements

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P264

Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P301+P312

IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.

P337+P313

If eye irritation persists: Get medical advice/attention.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS classification

D2B - Toxic material causing other toxic effects

Classification system

HMIS ratings (scale 0-4)

(Hazardous Materials Identification System)

Health (acute effects) = 2

Flammability = 0

Physical Hazard = 1

Other hazards

Results of PBT and vPvB assessment

PBT:

N/A

vPvB:

N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS: 557-07-3

Description: Zinc Oleate

EINECS No: N/A

SECTION 4. FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be administered only by a physician or trained emergency personnel. Medical advice can be obtained from a POISON CONTROL CENTER.

In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes.

If no burns have occurred-use soap and water to cleanse skin.

If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing.

If patient has stopped breathing administer artificial respiration.

If patient is in cardiac arrest administer CPR.

Continue life supporting measures until medical assistance has arrived.

SECTION 5. FIREFIGHTING MEASURES

Flash Point: N/A

Extinguishing Media: Carbon dioxide, dry chemical powder or spray.

Upper Explosion Limit: N/A

Lower Explosion Limit: N/A

Auto Ignition: N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area.

Absorb on vermiculite or similar material.

Sweep up and place in an appropriate container.

Hold for disposal.

Wash contaminated surfaces to remove any residues.

Remove contaminated clothing and wash before reuse.

SECTION 7. HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn.

Use appropriate OSHA/MSHA approved safety equipment.

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Keep tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (TWA): N/A

ACGIH TLV (TWA): N/A

ACGIH TLV (STEL): N/A

Personal Protective Equipment

Eyes: Wear safety glasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Color: White

Phase: Powder

Melting Point: 70°C

Boiling Point: N/A

Density: N/A

Evaporation Rate(Butyl acetate-1): N/A

Vapor Pressure: N/A

Vapor Density: N/A

Odor: N/A

Solubility in water: Insoluble (immiscible)

Molecular Weight: N/A

SECTION 10. STABILITY AND REACTIVITY

Incompatible with strong oxidizing agents.

Decomposition liberates toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

RTECS: ZH4797000
Oral Rat or Mouse LD50: N/A
Dermal Rat or Mouse LD50: N/A
Rat or Mouse LC50: N/A
Carcinogenicity
OSHA: No
IARC: No
NTP: No
ACGIH: No
NIOSH: No
Other: No
California Proposition 65 info: Not Listed

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with Federal, State and Local regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number: UN3077
Class: 9
Packing Group: III
Proper Shipping Name: Environmentally Hazardous Substance, Solid, n.o.s.*(Zinc Oleate)

SECTION 15. REGULATORY INFORMATION

National regulations
All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.
All components of this product are listed on the Canadian Domestic Substances List (DSL).
California Proposition 65
Prop 65 - Chemicals known to cause cancer

Substance is not listed.
Prop 65 - Developmental toxicity
Substance is not listed.
Prop 65 - Developmental toxicity, female
Substance is not listed.
Prop 65 - Developmental toxicity, male
Substance is not listed.
Information about limitation of use:
For use only by technically qualified individuals.
Other regulations, limitations and prohibitive
regulations
Substance of Very High Concern (SVHC) according to
the REACH Regulations (EC) No. 1907/2006.
Substance is not listed.
The conditions of restrictions according to Article 67
and Annex XVII of the Regulation (EC) No 1907/2006
(REACH) for the manufacturing, placing on the market
and use must be observed.
Substance is not listed.
Annex XIV of the REACH Regulations (requiring
Authorisation for use)
Substance is not listed.
Chemical safety assessment:
A Chemical Safety Assessment has not been carried
out.

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.
