



Section 1. Product and Company Identification

**Product Name** Zinc undecylenate  
**CAS Number** 557-08-4

**Parchem - fine & specialty chemicals**  
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**New Rochelle, NY 10801**  
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CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Hazards not otherwise classified (HNOC):** Not Applicable

**Other hazards:** Not available

Section 3. Composition / Information on Ingredients

**Common Name** Zinc undecylenate  
**Formula**  $C_{22}H_{38}O_4Zn$   
**CAS Number** 557-08-4

COMPONENT	CAS NUMBER	CONCENTRATION
Zinc undecylenate	557-08-4	100%

Section 4. First Aid Measures

**General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.



**Most important symptoms and effects, both acute and delayed**

**Symptoms:** Health injuries are not known or expected under normal use.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Protection of first-aiders:** First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

Section 5. Firefighting Measures

**Extinguishing Media**

**Suitable Extinguishing Media:** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray, mist, or foam.

**Unsuitable Extinguishing Media:** No information available.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:** Carbon Dioxide, Carbon Monoxide. Zinc oxides.

**Specific hazards:** May be combustible at high temperatures

**Special Protective Actions for Firefighters**

**Specific Methods:** No information available.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Avoid dispersal of dust in the air. Remove all sources of ignition.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers.

**Methods and material for containment and cleaning up**

**Methods for containment:** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

Section 7. Handling and Storage

**Precautions for safe handling**

**Technical Measures/Precautions:** Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

**Safe Handling Advice:** Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid dust formation. Do not ingest. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice.

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

**Technical Measures/Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

**Incompatible Materials:** Strong oxidizing agents

Section 8. Exposure Controls / Personal Protection

**Control parameters**

**National occupational exposure limits**

**United States**

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WHEEL
Zinc Undecylenate	557-08-4	None	None	None	None

**Canada**

Components	CAS-No.	Canada-Alberta	Canada-British Columbia	Canada-Ontario	Canada-Quebec
Zinc Undecylenate	557-08-4	None	None	None	None

**Australia and Mexico**

Components	CAS-No.	Australia	Mexico
Zinc Undecylenate	557-08-4	None	None

**Appropriate engineering controls**

**Engineering measures to reduce exposure:** Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Individual protection measures, such as personal protective equipment**

**Personal Protective Equipment**

**Eye protection:** Goggles or Safety glasses with side-shields

**Skin and body protection:** Gloves. Chemical resistant apron. Long sleeved clothing.

**Respiratory protection:** Effective dust mask. Wear respirator with dust filter.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

Section 9. Physical and Chemical Properties

**Physical state:** Solid

**Appearance:** Powder.

**Color:** White.

**Odor:** Odorless.

**Taste:** No information available.

**Formula:**  $C_{22}H_{38}O_4Zn$

**Molecular/Formula weight:** 431.92

**Flammability:** No information available

**Flashpoint (°C/°F):** No information available.

**Flash Point Tested according to:** Not available

**Autoignition Temperature (°C/°F):** No information available

**Lower Explosion Limit (%):** No information available

**Upper Explosion Limit (%):** No information available

**Melting point/range (°C/°F):** 118° - 121°C (244° - 250°F)

**Decomposition temperature (°C/°F):** No information available

**Boiling point/range (°C/°F):** No information available

**Bulk density:** No information available

**Density (g/cm<sup>3</sup>):** No information available

**Specific gravity:** No information available

**pH:** No information available

**Vapor pressure @ 20°C (kPa):** No information available

**Evaporation rate:** No information available

**Vapor density:** No information available

**VOC content (g/L):** No information available

**Odor threshold (ppm):** No information available

**Partition coefficient (n-octanol/water):** No information available

**Viscosity:** No information available

**Miscibility:** No information available

**Solubility:** Insoluble in water

Section 10. Stability and Reactivity

**Reactivity:** Reactive with oxidizing agents



**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Incompatible materials. Heat. Avoid dust formation.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous decomposition products:** Carbon oxides.

#### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

#### Section 11. Toxicological Information

##### Information on likely routes of exposure

**Principal Routes of Exposure:** Skin. Eyes. Inhalation. Ingestion.

##### Acute Toxicity

###### Component Information

**Zinc Undecylenate CAS-No. 557-08-4**

**LD50/oral/rat:** No information available

**LD50/oral/mouse:** No information available

**LD50/dermal/rabbit:** No information available

**LD50/dermal/rat:** No information available

**LC50/inhalation/rat:** No information available

**LC50/inhalation/mouse:** No information available

**Other LD50 or LC50 information:** No information available

##### Product Information

**LD50/oral/rat VALUE- Acute Tox Oral:** No information available

**LD50/oral/mouse Value - Acute Tox Oral:** No information available

**LD50/dermal/rabbit VALUE-Acute Tox Dermal:** No information available

**LD50/dermal/rat VALUE -Acute Tox Dermal:** No information available

##### LC50/inhalation/rat

**VALUE-Vapor:** No information available

**VALUE-Gas:** No information available

**VALUE-Dust/Mist:** No information available

##### LC50/Inhalation/mouse

**VALUE-Vapor:** No information available

**VALUE - Gas:** No information available

**VALUE - Dust/Mist:** No information available



**Symptoms**

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Inhalation:** May cause irritation of respiratory tract.

**Ingestion:** Health injuries are not known or expected under normal use.

**Aspiration hazard:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity:** No information available.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic

Components	CAS- No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Zinc Undecylenate	557- 08-4	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

**Reproductive toxicity:** No data is available

**Reproductive Effects:** No information available

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure:** No information available.

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

**Target Organs:** No information available.

Section 12. Ecological Information

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**DOT**

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Subsidiary Class:** No information available

**Packing group:** No information available

**Emergency Response Guide Number:** No information available

**Marine Pollutant:** No data available

**DOT RQ (lbs):** No information available

**Special Provisions:** No Information available

**Symbol(s):** No information available

**Description:** No information available

**TDG (Canada)**

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Subsidiary Risk:** No information available

**Packing Group:** No information available

**Marine Pollutant:** No Information available

**Description:** No information available

**ADR**

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Packing Group:** No information available

**Subsidiary Risk:** No information available

**IMO / IMDG**

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Subsidiary Risk:** No information available

**Packing Group:** No information available

**Marine Pollutant:** No information available

**RID**

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Subsidiary Risk:** No information available



**Packing Group:** No information available

#### ICAO

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Subsidiary Risk:** No information available

**Packing Group:** No information available

#### IATA

**UN-No:** Not Regulated

**Proper Shipping Name:** No information available

**Hazard Class:** No information available

**Subsidiary Risk:** No information available

**Packing Group:** No information available

**ERG Code:** No information available

**Special Provisions:** No information available

#### Section 15. Regulatory Information

##### International Inventories

**Zinc Undecylenate 557-08-4**

**U.S. TSCA:** Present

**KOREA KECL:** Present KE-35099

**Philippines (PICCS):** Present

**Japan ENCS:** Present (9)-200, (2)-615

**CHINA:** Not present

**Australia (AICS):** Present

**EINECS-No.:** Present 209-155-0

##### U.S. Regulations

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:** This product does not contain a chemical requiring a warning under California Prop. 65.

**Chemicals Known to the State of California to Cause Reproductive Toxicity:** This product does not contain a chemical requiring a warning under California Prop. 65.

**Carcinogen:** Not Listed

**Developmental Toxicity:** Not Listed

**Male Reproductive Toxicity:** Not Listed

**Female Reproductive Toxicity:** Not Listed

##### CERCLA/SARA

**CERCLA - Hazardous Substances and their Reportable Quantities:** None

**Section 302 Extremely Hazardous Substances and TPQs:** None





**Section 302 Extremely Hazardous Substances and RQs:** None

**Section 313 - Chemical Category:** None

**Section 313 - Reporting de minimis:** None

**U.S. TSCA**

**TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS):** Not Applicable

**TSCA 8(d) -Health and Safety Reporting:** Not Applicable

**WHMIS hazard class:** Non-controlled

**Canada Controlled Products Regulation:** This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

**Inventory**

**Canada (DSL):** Present

**Canada (NDSL):** Not Listed

**CEPA Schedule I - Toxic Substances:** Not Listed

**CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting:** Not Listed

**EU Classification**

**R-phrase(s):** not determined (not applicable)

**S -phrase(s):** none

**Concentration Limits:** No information

**The product is classified in accordance with Annex VI to Directive 67/548/EEC**

**Indication of danger:** None.

Section 16. Other Information
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**Disclaimer:** 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.

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