

# COAD<sup>®</sup> Zinc Stearate

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Norac Additives LLC 360 Phillips 311 Road Helena, AR 72342 1 (870) 572-9061	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): COAD <sup>®</sup> 20 Zinc Stearate	Chemical Name: Zinc stearate
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Lubricant and/or stabilizer for plastics and rubber.
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: January 1, 2025

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP)	: Not classified as a hazardous substance
Signal Word	: Warning May form combustible dust concentrations in the air
Hazard statements (CLP)	: Not classified under (EC) No 1272/2008, Directive 67/548/EEC, Directive 1999/45/EC, Chemicals Act (ChemG)
Precautionary statements (CLP)	: No precautionary statements
Other Hazard	: No additional information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance

Chemical Name	CAS No	EC No	Weight %
Zinc stearate	557-05-1	209-151-9	100
Fatty acids C16-C18 zinc salt	91051-01-3	293-049-4	

## 4. FIRST AID MEASURES

### Description of first aid measures

First-aid measures after inhalation:	Remove to fresh air. If coughing, breathing becomes labored, irritation develops, or other symptoms develop, seek medical
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attention at once, even if symptoms develop several hours after the exposure.

First-aid measures after skin contact: Remove any contaminated clothing. Wash thoroughly with soap and water. If irritation or adverse symptoms develop, seek medical attention.

First-aid measures after eye contact: Remove any contact lenses at once. Flush eyes with running water. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop, seek medical attention.

First-aid measures after ingestion: Rinse mouth and drink plenty of water. If symptoms persist, consult a doctor.

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

Symptoms effects: No information available.

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

General: No information available.

## 5. FIRE FIGHTING MEASURES

*Extinguishing media*

Suitable extinguishing agents: Water spray, foam, carbon dioxide, or dry chemical.

Unsuitable extinguishing agents: Not available

*Special hazards arising from the substance or mixture*

General: Burning will produce carbon dioxide, carbon monoxide, and metal oxides. Firemen should be equipped with SCBA with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.

*Unusual Fire and Explosion Hazards*

General: Concentrated dust may present an explosion hazard.

## 6. ACCIDENTAL RELEASE MEASURES

*Personal precautions, protective equipment and emergency procedures*

Non-emergency personnel: Reduce airborne dust and prevent scattering by moistening with soapy water.

Emergency personnel: Reduce airborne dust and prevent scattering by moistening with soapy water.

*Environmental precautions*

General: No information available.

*Methods and material for containment and cleaning up*

General: Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8.

Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with soapy water. Pick up spill for recovery or disposal and place in a closed container.

*Reference to other sections*

General: See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

## 7. HANDLING AND STORAGE

*Precautions for safe handling*

Handling: Avoid dust formation and control ignition sources. Employ grounding, venting, and explosion relief provisions in accord with accepted engineering practices in any process 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 use nearby food or drink. Avoid eye contact. Use with adequate ventilation. Wear personal protection equipment recommended in Section 8. Reseal containers immediately after use.

*Conditions for safe storage, including any incompatibilities*

Storage: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Do not store with food or drink.

Other precautions: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities.

*Specific end use(s)*

General: Not applicable

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

### *Control Parameters*

OSHA Permissible Exposure Limit (PEL):	15 mg/m <sup>3</sup> total dust.
ACGIH Threshold Limit Value (TLB):	10 mg/m <sup>3</sup> for total dust for stearates.

### *Exposure controls*

Appropriate engineering controls:	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.
Eye/face protection:	Safety goggles recommended. Permanent eyewash is highly recommended.
Hand protection:	Protective gloves recommended.
Respiratory protection:	Work ambient concentrations should be monitored and if airborne concentrations are expected to exceed acceptable levels, wear a NIOSH/MSHA approved dust air-purifying respirator. When using respirators, refer to OSHA's 29 CFR 1910.134.
Other protection:	Emergency showers and eye wash stations should be available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### *Information on basic physical and chemical properties*

Form: Fine powder	Melting Point/Range: 120-130°C by DSC
Color: White	Boiling point/Range: Not available
Odor: Slight fatty odor	Vapor density: Does not apply
Odor threshold: Not available	pH value: Not available
Vapor Pressure: Does not apply	Flash point: > 177°C, C.O.C.

Specific gravity: 1.0	Flammability: Does not apply
Auto ignition temperature: > 371°C	Decomposition temperature: Not available
Partition coefficient (n-octanol/water): Log Pow: 1.2	Dust deflagration index: Kst 252 bar-m/sec
Viscosity Dynamic: Not applicable Kinematic: Not applicable	Explosion limits Lower: 0.035 oz/ft <sup>3</sup> Upper: Not available

Other information No further relevant information available.

## 10. STABILITY AND REACTIVITY

### *Reactivity*

No further information is available.

### *Chemical stability*

Stable under ordinary conditions of use and storage.

### *Possibility of hazardous reactions*

No information available.

### *Conditions to avoid*

Material as supplied is not explosive. Avoid suspending dust in the air. Ground all equipment to avoid static discharge. Suspended dust may be explosive.

### *Incompatible materials*

Strong oxidants, strong bases, acids, and peroxides.

### *Hazardous decomposition products*

None when stored and handled as instructed.  
Carbon dioxide, carbon monoxide, and metal oxides if burned.

## 11. TOXICOLOGICAL INFORMATION

### *Information on toxicological effects*

Acute toxicity (oral, rat):	LD50 > 10,000 mg/kg bw
Skin corrosion/irritation:	Not classified as corrosive or an irritant
Serious eye damage/irritation:	Not classified as corrosive or an irritant
Respiratory or skin sensitization:	Not classified as respiratory or skin irritant
Germ cell mutagenicity:	Not classified as a germ cell mutagen

Carcinogenicity:	This material is not listed in the National Toxicology Program Report on Carcinogens. This material has not been found to be a carcinogen by the International Agency for Research on Cancer (IARC) This material has not been found by OSHA to be a carcinogen or potential carcinogen.
Reproductive toxicity:	Not classified as a reproductive toxin
STOT single exposure:	Not classified as a target organ toxin
STOT multiple exposure:	Not classified as a target organ toxin
Aspiration hazard:	Not classified as an aspiration hazard

## 12. ECOLOGICAL INFORMATION

### *Toxicity*

Acute toxicity (Static):	LC50(96h, Brachydanio rerio) (92/69/ECC C.1) semi-static): > 10,000 mg/L
Acute toxicity (Static):	LC50(48h, Daphnia magna): > 100 mg/L
NOEC (Static):	1,560 mg/l (Photobacterium phosphoreum) (DIN38412) 30 min.

### *Persistence and degradability*

Information:	No further information available
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### *Bioaccumulation potential*

Information:	Due to the distribution coefficient for n-octanol/water accumulation in organisms is not expected
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### *Mobility in soil*

Information:	No data available
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### *Results of PBT and vPVB assessment*

Information:	No information available
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### *Other adverse effects*

Information:	No further information available
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## 13. DISPOSAL CONSIDERATIONS

### *Waste treatment methods*

Methods: Prevent material from entering drains, sewers, streams, etc. Immediately dispose of waste material in accordance with federal, state, and local regulations.

## 14. TRANSPORTATION INFORMATION

UN-Number	
DOT, ADR, ADN, IMDG, IATA	Not regulated
UN proper shipping name	
DOT, ADR, ADN, IMDG, IATA	Not regulated
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA Class	Not regulated
Packing group	
DOT, ADR, IMDG, IATA	Not regulated
Environmental hazards	
Marine pollutant	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation"	Not applicable
NMFC Classification	Metallic soaps of fatty acid Item # 45230, Class 65

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Not listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Not listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	

IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	557-05-1 Zinc stearate
NIOSH-Ca (National Institute for Occupational Safety and Health)	557-05-1 Zinc stearate
OSHA-Ca (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed
Canadian Ingredient Disclosure list (limit 1%)	557-05-1 Zinc stearate
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.