



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco P3000**

Other means of identification:

Product Description: Westco P 3000 is used in rubber, plastics and coatings applications providing particle release, lubrication, anti-tack, heat stabilization and blowing agent activation.

Synonyms: Zinc Stearate; STEARIC ACID, ZINC SALT ZINC DISTEARATE

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: None known.

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: Western Reserve Chemical Corporation

Address: 4837 Darrow Road
Stow, OH 44224
USA

General Phone Number: 330 650 2244

General Fax Number: 330 650 2255

Emergency phone number:

Emergency Phone Number: Chemtrec 1 800 424 9300 USA

Website: www.wrchem.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: None.

GHS Class: This substance does not meet the criteria for classification.

Hazard Statements: This substance does not meet the criteria for classification.

Precautionary Statements: Prevention: Observe good industrial hygiene practices.
Response: Wash hands after handling.
Storage: Store away from incompatible materials.
Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Acute Health Effects: Not classified

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Physical Health Hazard: Not classified

Potential Environmental Effects: Not classified

Signs/Symptoms: Symptoms related to the physical, chemical and toxicological characteristics: Irritation of eyes and mucous membranes. Upper respiratory tract irritation. Coughing. Skin irritation.

ZINC STEARATE

Eye: Direct contact with eyes may cause temporary irritation.

Skin: No adverse effects due to skin contact are expected.

Inhalation: Prolonged inhalation may be harmful. No adverse effects due to inhalation are expected.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
---------------	------	--------------------	---------

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Rinse with water. Get medical attention if irritation develops and persists.
Skin Contact:	Wash off with soap and water. Get medical attention if irritation develops and persists.
Inhalation:	Call a physician if symptoms develop or persist
Ingestion:	Rinse mouth. Get medical attention if symptoms occur
Notes :	Most important symptoms/effects, acute and delayed: Irritation of eyes and mucous membranes. Upper respiratory tract irritation. Coughing. Skin irritation. Indication of immediate medical attention and special treatment needed: Treat symptomatically. General information :Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire Fighting Instructions:	Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers
Notes :	Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed. Specific methods :Use standard firefighting procedures and consider the hazards of other involved materials. General fire hazards :No unusual fire or explosion hazards noted.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. For personal protection, see section 8 of the SDS.
-------------------------------	---

Environmental precautions:

Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground.
-----------------------------------	--

Methods and materials for containment and cleaning up:

Methods for containment:	The product is immiscible with water and will sediment in water systems. Use water spray to reduce vapors or divert vapor cloud drift. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Methods for cleanup:	The product is immiscible with water and will sediment in water systems. Use water spray to reduce vapors or divert vapor cloud drift. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Precautions for safe handling :Avoid contact with eyes. Avoid prolonged exposure.
Hygiene Practices:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Conditions for safe storage, including any incompatibilities:

Storage:	Conditions for safe storage, including any incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
-----------------	---

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ZINC STEARATE :

Guideline ACGIH: ZINC STEARATE (CAS 557-05-1) TWA 10 mg/m³
 Guideline OSHA: ZINC STEARATE (CAS 557-05-1) PEL 5 mg/m³ - Respirable fraction./ 15 mg/m³ - Total dust.
 Guideline NIOSH: ZINC STEARATE (CAS 557-05-1) TWA 5 mg/m³ - Respirable./ 10 mg/m³ Total - Total

Appropriate engineering controls:

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures:

Eye/Face Protection: Wear safety glasses with side shields or goggles.

Skin Protection Description: Wear suitable protective clothing

Hand Protection Description: Wear appropriate chemical resistant gloves.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Other Protective: Wear suitable protective clothing

PPE Pictograms:

Notes : Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIESPHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid.
Form: Powder. Flakes. Granular.

Color: White

Odor: Slight

Odor Threshold: Not available.

Boiling Point: Not available.

Melting Point: 266 °F (130 °C)

Density: 1.10 g/cm³
Relative density :1.095 g/cm³

Specific Gravity: 1.1

Vapor Density: Not available.

Vapor Pressure: < 0.0000001 kPa at 25 °C

Evaporation Rate: Not available.

pH: 7 - 9 @ 20 ° C (in solution)

Molecular Formula: C₁₈-H₃₆-O₂.1/2Zn

Molecular Weight: 632.34 g/mol

Coefficient of Water/Oil Distribution: Not Available

Flash Point: > 212.0 °F (> 100.0 °C)

Flash Point Method: Cleveland Open Cup

Lower Flammable/Explosive Limit: Flammability limit - lower (%) Not available.
Explosive limit - lower (%) Not available

Upper Flammable/Explosive Limit: Flammability limit - upper (%) Not available.
Explosive limit - upper (%) Not available

Auto Ignition Temperature: 788 °F (420 °C)

SECTION 10 : STABILITY and REACTIVITYReactivity:

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Chemical Stability:

Chemical Stability: Material is stable under normal conditions

Conditions To Avoid:

Conditions to Avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible Materials:

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products:

Special Decomposition Products: No hazardous decomposition products are known.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity:	Not available.
Eye:	Direct contact with eyes may cause temporary irritation.
Skin:	No adverse effects due to skin contact are expected.
Inhalation:	Prolonged inhalation may be harmful. No adverse effects due to inhalation are expected.
Ingestion:	Expected to be a low ingestion hazard.
Sensitization:	Respiratory sensitization :Not available. Skin sensitization: This product is not expected to cause skin sensitization.
Chronic Effects:	Prolonged inhalation may be harmful.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity:	Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability:

Biodegradation: No data is available on the degradability of this product.

Bioaccumulative potential:

Bioaccumulation: No data available

Mobility in soil:

Mobility In Environmental Media: Mobility in soil :No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations: Dispose in accordance with all applicable regulations

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as dangerous goods.

DOT Pictograms:



IATA Shipping Name: Not regulated as dangerous goods.

IATA Pictograms:



IMDG Shipping Name : Not regulated as dangerous goods.

Notes : Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :Not applicable.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

ZINC STEARATE :

US Federal: This product is not known to be a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Inventory Status: All components are on the U.S. EPA TSCA Inventory List.

SARA: Hazard categories:
 * Immediate Hazard - No
 * Delayed Hazard - No
 * Fire Hazard - No
 * Pressure Hazard - No
 * Reactivity Hazard - No

Section 302 EHS: Not Listed.

Clean Air Act: Not Regulated.

Clean Water Act RQ: Not Regulated.

California PROP 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

New Jersey: ZINC STEARATE (CAS 557-05-1)

Massachusetts: ZINC STEARATE (CAS 557-05-1)

Pennsylvania: ZINC STEARATE (CAS 557-05-1)

Rhode Island: ZINC STEARATE (CAS 557-05-1)

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 0
 HMIS Fire Hazard: 1
 HMIS Reactivity: 0
 HMIS Personal Protection: J

Health Hazard	0
Fire Hazard	1
Reactivity	0
Personal Protection	J

SDS Revision Date: August 10, 2015

Notes : Important Note: This information relates to the specific product described herein and may not be valid for this material when used in combination with other raw materials. The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

Copyright© 1996-2015 Actio Corporation. All Rights Reserved.