



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Westco P4200**

Other means of identification:

Synonyms: Calcium Stearate; CALCIUM DISTEARATE * STEARIC ACID, CALCIUM SALT

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Westco P4200 is used in a wide variety of consumer products. It is used in the rubber industry as a plasticizer, a stabilizer or a surfactant.

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: Warning

Hazard Statements: May form combustible dust concentrations in air.

Precautionary Statements: *Prevention:
Observe good industrial hygiene practices.
Keep away from heat/sparks/open flames/hot surfaces. *No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Prevent dust accumulation to minimize explosion hazard.
*Response:
Take off contaminated clothing and wash before reuse.
In case of fire, use appropriate media to extinguish.
*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: Information on likely routes of exposure
Ingestion: Expected to be a low ingestion hazard
Inhalation : No adverse effects due to inhalation are expected
Skin contact: No adverse effects due to skin contact are expected.
Eye contact: Direct contact with eyes may cause temporary irritation.

Potential Health Effects: Prolonged skin contact may cause temporary irritation.
Dusts may irritate the respiratory tract, skin and eyes.

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.

Target Organs: Specific target organ toxicity - single exposure: Not classified.
Specific target organ toxicity - repeated exposure : Not classified.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
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SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Do not rub eyes. 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:	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Notes :	<p>*Most important symptoms/effects, acute and delayed: Dusts may irritate the respiratory tract, skin and eyes.</p> <p>*Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically.</p> <p>*General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.</p>

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	Alcohol resistant foam. Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Apply extinguishing media carefully to avoid creating airborne dust.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:	During fire, gases hazardous to health may be formed.
Unusual Fire Hazards:	.

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:	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Do not enter confined fire space without full protective gear. Use standard firefighting procedures and consider the hazards of other involved materials.

NFPA Ratings:

NFPA Health:	0
NFPA Flammability:	2
NFPA Reactivity:	0



Notes :	General fire hazards:May form combustible dust concentrations in air. No unusual fire or explosion hazards noted.
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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions:	<p>Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Use only non-sparking tools. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.</p>
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Environmental precautions:

Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground.
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Methods and materials for containment and cleaning up:

Methods for containment:	<p>Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). The product is immiscible with water and will sediment in water systems. Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike far ahead of spill for later disposal.</p>
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Methods for cleanup:

- *Large Spills:
Wet down with water and dike for later disposal.
Shovel the material into waste container.
Prevent entry into waterways, sewer, basements or confined areas.
Following product recovery, flush area with water.
- *Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal.
- *Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Explosion-proof general and local exhaust ventilation.
Minimize dust generation and accumulation.
Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions.
Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.
Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Wear appropriate personal protective equipment.
Observe good industrial hygiene practices.

Hygiene Practices:

- *When using, do not eat, drink or smoke.
- *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: Keep away from heat, sparks and open flame.
Store in original tightly closed container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Store away from incompatible materials (see Section 10 of the SDS).

Specific end use(s):

Work Practices:

- * Handle in accordance with good industrial hygiene and safety practices.
- * Safety showers and eye wash stations should be available.
- * Use explosion proof motors and equipment.
- * Do not smoke in the vicinity of, or during application of this material.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Explosion-proof general and local exhaust ventilation.
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: 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.
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

PPE Pictograms:



Notes : Occupational exposure limits:No exposure limits noted for ingredient(s).
Biological limit values :No biological exposure limits noted for the ingredient(s).
Thermal hazards :Wear appropriate thermal protective clothing, when necessary.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

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

Color: White. Light yellow.

Odor: fatty odor

Odor Threshold: Not available.

Boiling Point: Decomposes

Melting Point: Melting point/freezing point:311 °F (155 °C)

Density: Relative density:1.03 g/cm³
1.12 g/cm³ estimated

Specific Gravity:	1.03
Vapor Density:	Not available.
Vapor Pressure:	Not available.
Evaporation Rate:	Not available.
pH:	Not applicable.
Molecular Formula:	C18-H36-O2.1/2Ca
Molecular Weight:	607 g/mol
Flash Point:	Not available.
Lower Flammable/Explosive Limit:	Flammability limit - lower (%):> 97 psi Explosive limit - lower (%):Not available.
Upper Flammable/Explosive Limit:	Flammability limit - upper (%):< 0.03 g/l dust(air) Explosive limit - upper (%):Not available.
Auto Ignition Temperature:	Not Established
<u>9.2. Other information:</u>	
Notes :	Flammability (solid, gas) :Not available. Flammability: 752 °F (400 °C) Dust cloud ignition temperature

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

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: Keep away from heat, sparks and open flame. Contact with incompatible materials. Minimize dust generation and accumulation.

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: Aspiration hazard: Not available.

Sensitization: Respiratory sensitization :Not available.
Skin sensitization:This product is not expected to cause skin sensitization.

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

Bioaccumulative potential:

Bioaccumulation: Bioaccumulative potential :No data available.

Mobility in soil:

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

Notes : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international 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.

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 Hazard Class: Not regulated as dangerous goods.

DOT Pictograms: 

IATA Hazard Class: Not regulated as dangerous goods.

IATA Pictograms: 

IMDG Hazard Class : 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:

US Federal: All components are on the U.S. EPA TSCA Inventory List.
 This product is a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Section 304 RQ: Not regulated

CERCLA Section 302: Not Listed.

Section 311/312 Hazard Categories: Yes

Clean Air Act: Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) 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: Right-to-Know Act Not listed.

Massachusetts: RTK - Substance List Not regulated.

Pennsylvania: Right-to-Know Law Not listed.

Rhode Island: RTK Not regulated.

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1
HMIS Fire Hazard: 2
HMIS Reactivity: 0
HMIS Personal Protection: F

Health Hazard	1
Fire Hazard	2
Reactivity	0
Personal Protection	F

SDS Revision Date: June 30, 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.

