



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco ZDMA

Other means of identification:

Product Description: WESTCO ZDMA is a metallic methacrylate coagent for peroxide vulcanization of polymers.

Synonyms: Zinc Dimethacrylate

Recommended use of the chemical and restrictions on use:

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):

GHS Pictograms:



Signal Word: DANGER!

GHS Class: Skin Irritant, Category 2. Eye Irritant, Category 2. Eye Damage, Category 1. Specific Target Organ Toxicity, Single Exposure, Category 3.

Hazard Statements: Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Precautionary Statements: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Zinc Dimethacrylate	13189-00-9	≤100 by weight	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: No Information Provided.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: Carbon oxides, zinc oxide and zinc peroxide.

Special protective equipment and precautions for fire-fighters:

Protective Equipment: As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire Fighting Instructions: Do not enter fire area without proper protection. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion. Use water spray/fog for cooling. Avoid contact with molten product to prevent serious burns. Avoid raising powdered materials into airborne dust, creating an explosion hazard. Notify authorities if liquid enters sewer/public waters.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions:

Environmental Precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up:

Spill Cleanup Measures: Spilled or released material poses a dust explosion hazard if it becomes airborne in the presence of an ignition source. Extinguish all ignition sources. Use protective equipment during cleanup. On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk. On water, contain/minimize dispersion/collect. May contaminate water supplies. Report per regulatory requirements.

Methods and materials for containment and cleaning up:

Methods for containment: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities:

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

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 this product with adequate ventilation.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Provide local exhaust or general room ventilation to minimize exposure to dust. If mechanical ventilation is used, electrical systems should conform to National Electric Code. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures:

Eye/Face Protection: Full face respirator which covers eyes, nose, and mouth should be worn..

Skin Protection Description: Full protective suit with hood should be worn.

Hand Protection Description: Protective gloves

Respiratory Protection: Full face respirator should be worn.
Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid
Physical State Appearance: Powder
Color: White
Odor: No data available.
Odor Threshold: No data available
Boiling Point: No data available
Melting Point: Melting point: 205 °C Min.
Density: No data available
Specific Gravity: AP 1.48 @ 25°C
Solubility: Slight
Vapor Density: No data available
Vapor Pressure: No data available
Percent Volatile: negligible
pH: AP 5.3 to 5.5
Flash Point: No data available
Lower Flammable/Explosive Limit: No data available
Upper Flammable/Explosive Limit: No data available
Auto Ignition Temperature: No data available

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: Not available.

Chemical Stability:

Chemical Stability: This product is an anhydrous salt that will readily absorb moisture upon exposure to a humid atmosphere. Stable under recommended storage conditions.

Conditions To Avoid:

Conditions to Avoid: Keep away from moisture, heat, and direct sunlight.

Incompatible Materials:

Incompatible Materials: Strong oxidizing agents, Strong reducing agents

Hazardous Decomposition Products:

Special Decomposition Products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Zinc/zinc oxides

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Eye: Corrosive to eyes.
Skin: May cause slight skin irritation.
Inhalation: May cause slight respiratory tract irritation.
Ingestion: May cause slight ingestion hazard.
Sensitization: No data available
Chronic Effects: No data available
Carcinogenicity: Not a Carcinogen by IARC, NTP, OSHA and ACGIH standards
Mutagenicity: No data available
Reproductive Toxicity: No data available
Teratogenicity: No data available
Neurological Effects: No data available

Other Toxicological Information: No data available

Notes : Cough, chest pain, Difficulty in breathing, Dizziness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No data available

Environmental Stability: No data available

Environmental Fate: No data available

Persistence and degradability:

Biodegradation: No data available

Bioaccumulative potential:

Bioaccumulation: No data available

Other adverse effects:

Effect of Material On Aquatic Life: No data available

Effect of Material on Plants/Animals: No data available

Notes : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT Pictograms:



IATA Shipping Name: Non regulated.

IATA Pictograms:



IMDG Shipping Name : Non regulated.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

SARA: SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:
Zinc methacrylate, CAS-No.13189-00-9, Revision Date: 2007-07-01
SARA 311/312 Hazards Acute Health Hazard

California PROP 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

New Jersey: Right To Know Components:
Zinc methacrylate, CAS-No. 13189-00-9, Revision Date: 2007-07-01

Massachusetts: Right To Know Components:
Zinc methacrylate, CAS-No. 13189-00-9, Revision Date: 2007-07-01

Pennsylvania: Right To Know Components:
Zinc methacrylate, CAS-No. 13189-00-9, Revision Date: 2007-07-01

Risk Phrases: R36 - Irritating to eyes. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R42 - May cause sensitization by inhalation.

Safety Phrase: S24 - Avoid contact with skin. S25 - Avoid contact with eyes. S36 - Wear suitable protective clothing. S39 - Wear eye/face protection. S37 - Wear suitable gloves. S51 - Use only in well ventilated areas.

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 3
HMIS Fire Hazard: 2
HMIS Reactivity: 1
HMIS Personal Protection: X

Health Hazard	3
Fire Hazard	2
Reactivity	1
Personal Protection	X

SDS Creation Date: June 23, 2017

SDS Revision Date: June 27, 2018

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.

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