



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco ZDA

Other means of identification:

Product Description: Metallic acrylate coagent for peroxide vulcanization of polymers.
Synonyms: Zinc Acrylate

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: Acute Toxicity, Category 4.
Serious Eye Damage, Category 1.
Specific Target Organ Toxicity, Single Exposure, Category 3.,
Hazardous to the aquatic environment: .Acute, category 1. Chronic, category 2
Combustible dust

Hazard Statements: Harmful if swallowed.
Causes serious eye damage.
May cause respiratory irritation.
May form combustible dust concentrations in the air.

Precautionary Statements: Wear protective gloves/eye protection/face protection.
Wash hands and exposed skin after use.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.
Keep work areas free of dust accumulation.
Enclosed material handling equipment (conveyors, ventilation, precipitators, etc.) must be designed and maintained so as not to be a source of ignition.
Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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

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

Eye: Causes serious eye damage.

Inhalation: May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Carcinogenicity: Not expected to be carcinogenic.

Target Organs: Eyes Respiratory system.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
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Zinc Acrylate	14643-87-9	85-100% by weight
Zinc salts of fatty acids	557-05-1	0-15% by weight

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.
Skin Contact:	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Inhalation:	Move person to fresh air. If breathing is labored, administer oxygen. Call a POISON CENTER/doctor if you feel unwell.
Ingestion:	Do not give anything by mouth to an unconscious person. Rinse mouth. Get medical attention.

Most important symptoms/effects, acute and delayed:

Other First Aid:	Causes serious eye damage. Harmful if swallowed. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media:	In case of fire: Use CO2, dry chemical, or foam.
Unsuitable extinguishing media:	Do not use water jet.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts:	Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms oxides of carbon and zinc.
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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:	Keep containers cool by spraying with water if exposed to fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions:	Eliminate sources of ignition. Avoid skin contact. Do not get in eyes. Wear protective gloves/eye protection/face protection. Avoid breathing dust. Do not eat, drink or smoke when using this product.
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Environmental precautions:

Environmental Precautions:	Do not allow to enter drains, sewers or waterways. Avoid release to the environment.
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Methods and materials for containment and cleaning up:

Methods for containment:	Contain spillages with sand, earth or any suitable adsorbent material.
Methods for cleanup:	Collect spillage. Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Keep work areas free of dust accumulation. Enclosed material handling equipment (conveyors, ventilation, precipitators, etc.) must be designed and maintained so as not to be a source of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid skin contact. Do not get in eyes. Avoid breathing dust.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist. Follow good industrial hygiene practices when handling this material. When using, do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities:

Storage:	Store in a well-ventilated place. Keep container tightly closed. Store at temperatures not exceeding 50°C / 122 °F.
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Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available. Wash hands and arms frequently. Shower after exposure. Wash work clothes when soiled.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Ensure adequate ventilation. Enclosed material handling equipment (conveyors, ventilation, precipitators, etc.) must be designed and maintained so as not to be a source of ignition.

Individual protection measures:

Eye/Face Protection: Wear full face respirator covering eyes, nose and mouth.

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

Hand Protection Description: Gloves (Butyl rubber, Neoprene, Nitrile rubber).

Respiratory Protection: Full face respirator should be used.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid

Physical State Appearance: Powder

Color: White to off-white

Odor: Acrylic-like odor

Odor Threshold: Not available.

Boiling Point: Not available.

Melting Point: Not available.

Density: 1.59 + 0.04

Solubility: Slightly water soluble.

Vapor Density: Not available.

Vapor Pressure: Not available.

pH: <7 (1% Solution in water)

Flash Point: Not available.

Lower Flammable/Explosive Limit: Not available.

Upper Flammable/Explosive Limit: Not available.

Auto Ignition Temperature: Not available.

Explosive Properties: Not explosive.

Oxidizing Properties: Not oxidizing.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability: Stable under normal conditions.

Possibility of hazardous reactions:

Hazardous Polymerization: May polymerize if exposed to initiators or heat, generating a significant amount of heat.

Conditions To Avoid:

Conditions to Avoid: Avoid contact with heat and ignition sources. May corrode mild steel particularly in conjunction with moisture.

Incompatible Materials:

Incompatible Materials: Strong oxidizing agents and reducing agents. Avoid contact with: free radical initiators.

Hazardous Decomposition Products:

Special Decomposition Products: Combustion or thermal decomposition will evolve toxic and irritant vapours. Forms oxides of carbon and zinc.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: LD50 (oral): 1337 mg/kg bw (rat)

Eye: Causes serious eye damage.

Inhalation: May cause respiratory irritation.

Sensitization: Not available.

Carcinogenicity: Not to be expected.

Mutagenicity: Not to be expected.

Reproductive Toxicity: Not to be expected.

Teratogenicity: Not to be expected.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: Short Term :
LC50 (96 hour): 27 mg/L (fish)
EC50(48 hours): 47 mg/L (aquatic invertebrate)
EC50 (72 hours): 0.04 mg/L (algae)
Long Term :
NOEC (72 hour): 0.1 mg/L (algae)

Persistence and degradability:

Biodegradation: Readily biodegradable.

Bioaccumulative potential:

Bioaccumulation: Not available.

Mobility in soil:

Mobility In Environmental Media: Not available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Disposal should be in accordance with local, state or national legislation. Waste generators must determine whether discarded material is to be classified as a hazardous waste. Consult an accredited waste disposal contractor or the local authority for advice.

Contaminated Packaging: Used containers are to be disposed the same as the product.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated

DOT Pictograms:



IATA Shipping Name: Environmentally hazardous substance, solid, n.o.s. (contains Zinc acrylate)

IATA UN Number: UN3077

IATA Hazard Class: 9

IATA Packing Group: III

IATA Pictograms:



IMDG UN Number : UN3077

IMDG Shipping Name : Environmentally hazardous substance, solid, n.o.s. (contains Zinc acrylate)

IMDG Hazard Class : 9

IMDG Packing Group : III

ICAO UN Number : UN3077

ICAO Shipping Name: Environmentally hazardous substance, solid, n.o.s. (contains Zinc acrylate)

ICAO Hazard Class : 9

ICAO Packing Group : III

Notes : Marine pollutant, Environmental hazard

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

TSCA Inventory Status: All the constituents of this product are TSCA listed or exempt from listing.

SARA: Under Title III, Section 313 this product is subject to reporting requirements for the following toxic Chemicals – Zinc compounds 100% max. by weight.

Section 311/312 Hazard Categories: Acute Health Hazard

New Jersey: Right to Know - Zinc Diacrylate

Pennsylvania: Right to Know - Zinc Diacrylate

Risk Phrases: R22 - Harmful if swallowed. R41 - Risk of serious damage to eyes. R37 - Irritating to respiratory system. R50 - Very toxic to aquatic organisms. R53 - May cause long-term adverse effects in the aquatic environment.

Safety Phrase: S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S24/25 - Avoid contact with skin and eyes. S23 - Do not breathe gas/fumes/vapour/spray. S20 - When using do not eat or drink. S16 - Keep away from sources of ignition - No smoking.

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

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

Health Hazard	2
Fire Hazard	2
Reactivity	1
Personal Protection	X

SDS Creation Date: June 06, 2018

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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