



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: Westco ZnO-80GS

Other means of identification:

Product Description: Westco ZnO-80 GS is an 80% active SBR-bound dispersion of high purity Zinc Oxide. It is available in slab or pellet form. Through improved dispersion in rubber compounds, it enhances modulus, tensile strength, and elongation at break of the vulcanizate. WESTCO ZnO-80GS has lower water absorption compared to zinc oxide powder

Synonyms: Zinc Oxide polymer-bound dispersion

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 Class: This product is not classified according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

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

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects: No known significant effects or critical hazards.
Physical Health Hazard: No known significant effects or hazards.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Zinc Oxide	1314-13-2	80 %	
Proprietary Polymeric Binder	Proprietary	20 %	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact: In case of eye contact rinse carefully and thoroughly with water and seek medical advice.
Skin Contact: After contact with skin, wash immediately with plenty of water and soap
Ingestion: After swallowing of product seek medical advice immediately. Show the safety data sheet or label.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

Suitable Extinguishing Media: CO2, foam, dry powder or water.

Specific hazards arising from the chemical:

Hazardous Combustion Byproducts: No Information Provided.

Unusual Fire Hazards: No Information Provided.

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: Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personnel Precautions: Use proper personal protective equipment as listed in Section 8.

Environmental precautions:

Environmental Precautions: Do not flush into surface water or sanitary sewer system. Avoid release to the environment.

Methods and materials for containment and cleaning up:

Methods for containment: Take up mechanically.
Fill into labelled, sealable containers.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling: Exhaust ventilation is required in the working area with regard to the other chemical additives used in rubber processing.

Hygiene Practices: Follow good industrial hygiene practices when handling this material.

Conditions for safe storage, including any incompatibilities:

Storage: Store in a cool, dry place.

Specific end use(s):

Work Practices: Safety showers and eye wash stations should be available.

Notes : No special measures against fire or explosion required.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Use appropriate engineering controls such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures:

Eye/Face Protection: Chemical goggles.

Skin Protection Description: Apron or coveralls should be used to prevent contact with skin or clothing.

Hand Protection Description: Gloves are recommended.

Respiratory Protection: Wear the appropriate respiratory protection according to the conditions and exposure levels in the area.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid

Physical State Appearance: Granule or Slab

Color:	Beige
Odor:	Odorless.
Density:	approx. 3,0 g/cm ³
Solubility:	Insoluble
Vapor Pressure:	Not determined.
pH:	Not Applicable
Viscosity:	Not Applicable
Flash Point:	Not applicable.
Auto Ignition Temperature:	Not determined.
Explosive Properties:	Not determined.

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No hazardous reactions observed.

Chemical Stability:

Chemical Stability: Stable under recommended handling and storage conditions.

Hazardous Decomposition Products:

Special Decomposition Products: No hazardous decomposition products observed.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Zinc Oxide :

Acute Toxicity: LD50 oral, rat: >5000 mg/kg

Zinc Oxide :

Eye: Effect on the eyes: Slight irritation (rabbit)

Skin: Effect on the skin: No irritation (rabbit)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: Prevent entry into drains, waters or soil.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Incinerate only in officially approved incinerator. Completely emptied Containers can be disposed of in local or commercial incineration plants.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT Pictograms:



IATA Shipping Name: Non regulated.

IATA Pictograms:



IMDG Shipping Name : Non regulated.

ADR Shipping Name : Non regulated.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

China: 《Dangerous Chemicals Regulations》(State Council Order No. 344)
 《List of dangerous goods》(GB12268-2005)
 《Classification and code of dangerous goods》(GB6944-2005)
 《Regulations on preparation of technical specifications of dangerous chemicals》(GB16483-2000)
 《Classification and signs of common dangerous chemicals》(GB13690-92)

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

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

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	X

SDS Creation Date: January 19, 2016

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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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