



HARWICK
S T A N D A R D

Safety Data Sheet
STAN-MIX™ ZINC OXIDE P/85

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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STAN-MIX™ ZINC OXIDE P/85

Other means of identification

Product Description: 85% Zinc Oxide in Ethylene Propylene Rubber

Recommended Restrictions: Do not use for any other purpose than what is intended.

Supplier information:

Manufactured for and supplied by:

Supplier: Harwick Standard Distribution Corporation

Supplier Address: 60 S. Seiberling Street, Akron, OH 44305

Contact: Health, Safety & Environment

Telephone: 330-798-9300

Website: www.harwickstandard.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS):

This material is not classified as hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Label Elements:

Hazard symbol: Not required.

Signal word: Not required.

Hazard Statements: Not required.

Precautionary Statements:

Prevention: Not required.

Response: Not required.

Storage: Not required.

Disposal: Not required.

Hazard(s) not otherwise classified (HNOC): None known

Supplemental information: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

**Components Chemical Identity** **CAS Number** **Weight%/Typical**

Components Chemical Identity	CAS Number	Weight%/Typical
Zinc Oxide	1314-13-2	<=85
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	<=2

SECTION 4 – FIRST AID MEASURES

Eye contact: Wash and rinse eyes with plenty of water. If irritation persists, get medical advice/attention.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms develop or persist.

Skin contact: Remove contaminated clothing. Wash affected skin with plenty of soap and water. If irritation develops and persists, seek medical attention.

Ingestion: Rinse mouth. Seek medical advice if you feel unwell. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed:

Direct contact with eyes may cause temporary irritation. Dry cough, headache and throat irritation.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically. Bad cough, headache and/or nausea.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: Water fog, foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable extinguishing method:

Do not use high-pressure water streams/water jet, as this will spread the fire.

Specific hazards arising from chemical: Water contaminated with this material must be contained and prevented from discharge to the environment. During fire, gases hazardous to health may be formed. Exposure to decomposition products may cause health hazard.

Special firefighting equipment and precautions for firefighters: Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Firefighting equipment/instructions: Use water spray to cool unopened containers.



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away from spill. Wear appropriate personal protective equipment recommended in Section 8 of the SDS. Avoid breathing dust.

Methods and materials for containment and cleaning up:

Prevent further leakage or spillage if can be done without risk. Avoid creation of dust. Contain and collect spillage by sweeping and place in appropriate container for proper disposal. Do not allow to enter into drains, water courses or onto ground.

Environmental precautions: Avoid release to the environment.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

Good hygienic practices should be observed. Avoid creation of airborne dust. Ensure good ventilation at the workplace. Wear gloves and thoroughly wash hands/forearms after exposure. Avoid elevated temperatures for prolonged periods of time. Keep away from sources of ignition.

Conditions for safe storage, including any incompatibilities:

Store closed containers in a cool, dry, well-ventilated area away from incompatible materials (See Section 10). Keep away from heat, sparks and open flame.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Component Name	CAS #	ACGIH	NIOSH	OSHA
Zinc Oxide	1314-13-2	TWA: 5 mg/m ³ - fumes TWA: 10 mg/m ³ - dust STEL: 10 mg/m ³ - fumes		TWA: 5 mg/m ³ - fumes TWA: 15 mg/m ³ - dust TWA: 5 mg/m ³ - respirable
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA: 5 mg/m ³ - inhalable fraction	Ceiling: 1800 mg/m ³ STEL: 10 mg/m ³ - mist TWA: 350 mg/m ³	PEL: 5 mg/m ³ - mist



Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Ensure good ventilation at the work station. Eliminate ignition sources.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses with side shields.

Skin protection:

Hand protection: Wear appropriate chemical resistant protective gloves.

Other protection: Wear appropriate protective clothing.

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Additional Information: 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.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance/Physical Form:	Solid
Color:	White, cream or yellow
Odor:	Mild
Odor threshold:	Not available
Softening Point:	Not available
pH:	Not available
Initial Boiling Point/Range:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Explosion Limits (LEL/UEL):	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Specific Gravity:	3.03 (Calculated)
Molecular weight (GPC, Mw):	Not available
Solubility (water):	Insoluble
Partition Coefficient: (n-octanol/water)	Not available
Auto-ignition Temperature:	Not available



Decomposition Temperature:	Not available
Viscosity:	Not available
Minimum Explosive Concentration:	Not available
KSt-value (bar x m/s):	Not available
VOC:	Not available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: Product is stable and non-reactive under normal, dry conditions of use, storage and transport.

Chemical stability: Material is stable under use and storage conditions recommended in Section 7.

Possibility of hazardous reactions: No hazardous reactions known under normal handling conditions.

Conditions to avoid: Heat, flames, sparks and other sources of ignition. Temperatures >300°C. Chlorinated rubbers above 215°C. Avoid contact with incompatible materials.

Incompatible materials: Strong oxidizing agents. Heated magnesium. Water.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Potential for zinc oxide fumes at elevated temperatures.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact:	Direct contact with eyes may cause temporary irritation.
Inhalation:	Vapors, gases, mists or airborne particles.
Skin contact:	Direct contact with skin which can be absorbed into the blood stream.
Ingestion:	Inadvertent consumption.

Symptoms related to the physical, chemical and toxicological characteristics:

Direct contact with eyes may cause temporary irritation. Inhalation may cause irritation. Skin contact may cause mild skin irritation. May cause gastrointestinal discomfort if swallowed.

Information on toxicological effects



Acute Toxicity:

Component Name	CAS #	Species	Toxicity
Zinc Oxide	1314-13-2	Rat	LC50 : >5.7 mg/L - Inhalation - 4 hours
Zinc Oxide	1314-13-2	Rat	LD50: 15000 mg/kg - Oral
Zinc Oxide	1314-13-2	Rat	LD50: >5000 mg/kg - Oral

Skin Corrosion/Irritation:	Prolonged skin contact may cause temporary irritation.
Serious Eye Damage/Irritation:	Direct contact with eyes may cause temporary irritation.
Respiratory or Skin Sensitization:	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
Germ cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, NTP or OSHA.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity-single exposure:	Not classified
Specific target organ toxicity-repeated exposure:	Not classified
Aspiration hazard:	Not an aspiration hazard.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available



SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of sealed containers via a licensed waste disposal site and in accordance with all applicable federal, state and local regulations.

Disposal of Contaminated Packaging: Dispose of contents and container in accordance with federal, state and local regulations. Empty containers or liners may retain product residue and material and container must be disposed of in a safe manner. Empty containers should be taken to an approved waste handling site for proper disposal.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT Classification: Not DOT regulated. Material is bound in polymer.

SECTION 15 - REGULATORY INFORMATION

U.S. Federal:

EPA TSCA Status:

All components of this product are listed as Active or exempt from listing on the TSCA Inventory.

SARA Section 311/312 Hazard Classes: None.

This material is not classified as hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA Section 313-Toxic Chemicals

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

<u>Chemical name</u>	<u>CAS number/Category</u>	<u>% by wt.</u>
ZINC COMPOUNDS	N982	80 - < 90

California Proposition 65: This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information, go to www.P65Warnings.ca.gov.

SECTION 16 - OTHER INFORMATION

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