SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Other means of identification
Product Description: 85% Antimony Oxide Dispersed 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 classified as hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Label Elements:

Hazard symbol:
Signal word: Warning

Hazard Statements:
Suspected of causing cancer.

Precautionary Statements:
Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:
IF exposed or concerned: Get medical advice/attention.
Storage:
Store locked up.
Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.

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

Supplemental information: None

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Components Chemical Identity	CAS Number	Weight%/Typical
Diantimony Trioxide	1309-64-4	>0-<=85
Calcium Distearate	1592-23-0	>0-<=1.7

SECTION 4 – FIRST AID MEASURES

Eye contact: Flush eyes and under eyelids 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 with water. 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:
If exposed or concerned: Get medical advice/attention.

Indication of immediate medical attention and special treatment needed:
Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: Water spray, alcohol resistant foam, dry chemical, 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: Diantimony trioxide dust. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

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 vapors, mist or gas. Ensure adequate ventilation.

Methods and materials for containment and cleaning up:
Prevent further leakage or spillage if can be done without risk. Contain and collect spillage and place in appropriate container for proper disposal. Do not allow to enter into drains, water courses or onto ground. Remove contaminated clothing and wash before reuse.

Environmental precautions: Prevent from reaching the sewage system, any waterway or penetrating the soil.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:
Good hygienic practices should be observed. Wear chemical resistant gloves, long sleeved overalls and closed footwear designed to minimize skin contact. Ensure good ventilation at the workplace. No eating, drinking or smoking. Provide showers, eyewash station and self-contained breathing apparatus nearby.

Conditions for safe storage, including any incompatibilities:
Store closed containers in a cool, dry, well-ventilated area away from incompatible materials (See Section 10).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Component Name	CAS #	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Diantimony Trioxide	1309-64-4	TWA: 0.5 mg/m3	TWA: 0.5 mg/m3	TWA: 0.5 mg/m3
Calcium Distearate	1592-23-0	TWA: 10 mg/m3 -inhalable TWA: 3mg/m3 - respirable		

Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminates below any recommended or statutory limits. Ensure good ventilation at the work station. Provide eyewash and hand wash stations. Provide necessary respiratory equipment.

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 tight-fitting gloves.
Other protection: Wear appropriate protective clothing. Long sleeves. Closed footwear.

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 to off white
Odor: Odorless
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
Density:	Not available
Specific Gravity:	3.12
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 conditions of use, storage and transport.

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

Possibility of hazardous reactions: Reaction with H-equivalents may release antimony hyrid.

Conditions to avoid: Avoid temperatures above 240°C (464°F). Avoid contact with incompatible materials.

Incompatible materials: Strong oxidizing agents. Strong acids.

Hazardous decomposition products: May release fumes and other decomposition products when exposed to extreme heat.

SECTION 11 - TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components comprising the mixture.

Information on toxicological effects

Acute Toxicity: Not classified. May cause slight irritation to affected area.

Skin Corrosion/Irritation: Not classified. May cause mild irritation under high heat.

Serious Eye Damage/Irritation: Not classified. May cause mild irritation from vapors at high heat levels.

Respiratory or Skin Sensitization: Not classified. Not anticipated.

Germ cell Mutagenicity: No data available to indicate product or any components present at Greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Antimony trioxide is classified as an IARC Group 2A carcinogen-Probably carcinogenic to humans.

1309-64-4	Antimony trioxide, see Trivalent antimony				
Trivalent antimony		2A	47, 131	2023 online	2022

Reproductive toxicity: Not classified. No data available.

Specific target organ toxicity-single exposure: Not classified. No data available.

Specific target organ toxicity-repeated exposure: Not classified. No data available.

Aspiration hazard: Not an aspiration hazard.

Information on likely routes of exposure:

- **Eye contact:** Airborne particles can be absorbed into eye and transported to other parts of body.
- **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:

- **Eye contact:** May cause irritation.
- **Inhalation:** High concentrations of products containing antimony oxide can result in irritation of the respiratory tract, pneumoconiosis and possible adverse cardiac efforts.
- **Skin contact:** May cause irritation with skin rashes with itching.
- **Ingestion:** May cause irritation of the gastrointestinal tract.

Delayed and immediate effects and also chronic effects from short and long term exposure:

None known.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Component	CAS #	Fish	Aquatic Invertebrates	Algae
Diantimony Trioxide	1309-64-4	LC50 - Pagrus major - 6.9 mg/L - 96 hours LC50 - Pimephales promelas - 14.4 mg/L - 96 hours NOEC/LOEC - Pimephales promelas - 1.13/2.31 mg/L - 28 days	LC50 - Chlorohydra viridissimus - 1.77 mg/L - 96 hours NOEC/LOEC - Daphnia magna - 1.74/3.13 mg/L - 21 days	ERC50 - Pseudokirchneriella subcapitata - >36.6 mg/L - 72 hours NOEC/LOEC - Pseudokirchneriella subcapitata -2.11/4.00 mg/L - 72 hours

Component	CAS #	Plants	Midge	Soil Organisms
Diantimony Trioxide	1309-64-4	EC50 - Limna minor- 25.5 mg/L - 4 days NOEC - 999 mg/kg	NOEC - Chrionomus riparius - 78 mg/kg - 14 days	NOEC - Invertebrates - 999 mg/kg NOEC - Microorganisms - 2930 mg/kg

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/Instructions: Dispose of sealed containers via a licensed waste disposal site and in accordance with all applicable federal, state and local regulations. Do not reuse container for any purpose.

Determine waste classification at time of disposal between the user, the producer and the waste disposal company. Conditions of use may render the spent product a hazardous waste.

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 regulated for DOT transportation.
Hazardous 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 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:

Chemical Name	CAS No./Category	% by wt.
Antimony compounds	N010	83-91

California Proposition 65:
⚠ **WARNING**: This product can expose you to chemicals including antimony oxide (antimony trioxide), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

SECTION 16 - OTHER INFORMATION

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