SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STANGARD® 29 POWDER

Other means of identification
Product description: 70% active blend of Styrenated Diphenylamine on a precipitated silica carrier

Recommended use: Antioxidant
Restrictions on use: No additional information available

Supplier information:
Supplier: Harwick Standard Distribution Corporation
Supplier Address: 60 S. Seiberling Street, Akron, OH 44305
Contact: Health, Safety & Environment
Telephone: 330-798-9300
Website: www.harwick.com

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:
Not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label Elements:
Hazard symbol: Not required
Signal word: Not applicable

Hazard Statements: Not applicable

Precautionary Statements:
Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable

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

Other information: Very toxic to aquatic life with long lasting effects.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Mixture:

Components Chemical Identity	CAS Number	Weight%	Trade Secret/Unique Identifier
Benzenamine, N-phenyl, styrenated	68442-68-2	90-100%	*
Silica, amorphous, precipitated and gel	112926-00-8	25-35%	*

The specific chemical identity and/or concentration (exact or range) of the composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Inhalation: If inhaled, remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms develop.

Ingestion: If swallowed, rinse mouth with water. Seek medical advice/attention if you feel unwell. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin contact: In case of skin contact, wash affected skin with plenty of soap and water. Seek medical attention if symptoms develop.

Eye contact: In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do so. If symptoms occur, get medical advice/attention.

Most important symptoms/effects, acute and delayed:

Eye contact: No information available.

Inhalation: No information available.

Skin contact: No information available.

Ingestion: No information available.

Indication of immediate medical attention and special treatment needed:

Notes to physician: Provide symptomatic/supportive care as necessary.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing method: In case of fire, use water spray, foam, dry chemical or carbon dioxide (CO2).

Unsuitable extinguishing method: Do not scatter spilled material with high pressure water streams.

Specific hazards arising from chemical: Do not allow runoff to enter waterways.

Combustion products: Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides.

Special firefighting equipment and precautions for firefighters: Avoid breathing smoke or fumes. Firefighters should wear a self-contained breathing apparatus (SCBA) operating in positive pressure mode and full protective clothing for combating fires. Fight fire from a safe distance and from a protected location. Do not use water jet. Use water spray to cool fire exposed surfaces. Do not allow runoff to enter drains or waterways. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Keep unnecessary personnel away from spill. Wear appropriate personal protective equipment (See Section 8). Avoid breathing dust. Prevent further leakage or spillage if can be done without risk. Ensure adequate ventilation. Remove potential ignition sources from the spill area.

Methods and materials for containment and cleaning up:
Avoid the generation of dust. Pick up spilled material and place in a designated, labeled waste container. Dispose of waste materials, including empty product bags, drums, or cartons in accordance with local, state and federal regulations. Clean surfaces thoroughly to prevent residual contamination. Do not allow to enter into drains, waterways or sewers.

Environmental precautions:
Stop the flow of material, if this is without risk. Do not allow to enter into drains, waterways or sewers. In the event of a spill or accidental release that cannot be contained, notify the relevant authorities in accordance with all applicable regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Ensure adequate ventilation in the work area. Take precautionary measures against static electricity such as grounding and bonding. Ensure all equipment is electrically grounded. Wear appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Thoroughly wash hands and exposed skin after handling. Remove contaminated clothing and protective equipment before entering eating areas

Conditions for safe storage, including any incompatibilities: Store tightly closed containers in a cool, dry, well-ventilated area..

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Silica, amorphous, precipitated and gel 112926-00-8	-	(vacated) TWA: 6 mg/m³ TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA	-

Appropriate engineering controls: General, local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during use of this product. Discharge from the ventilation system should comply with applicable air pollution control regulations. Facilities storing or utilizing this material should be equipped with eye wash station(s) and safety shower(s).

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses or goggles to protect against exposure.

Skin/Hand protection: Wear impervious, chemical-resistant gloves to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good laboratory practices. Wash hands with soap and water.

Body protection: To protect the body, wear impervious protective clothing such as coveralls and protective footwear to minimize skin contact. Select protective equipment according to the concentration and amount of the dangerous substance at the specific workplace. Launder contaminated clothing before reuse. Do not store contaminated clothing with other clothing.

Respiratory protection: Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. If dust is generated, wear NIOSH-approved dust respirator or dust mask. If vapors/dust are generated above exposure limits, use NIOSH approved full-face organic cartridge filter respirator, air supplied respirator or SCBA. Respirators should be selected and used in accordance with OSHA, Subpart 1 (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992).

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White to off-white free flowing powder
Odor:	No data available
Decomposition Temperature:	No data available
Odor Threshold:	No data available
pH:	No data available
Boiling Point/Range:	No data available
Melting Point:	No data available
Freezing Point:	No data available
Flash Point:	No data available
Flammable/Explosion Limits:	No data available
Relative Density (Specific Gravity):	No data available
Vapor Pressure:	No data available
Vapor Density:	Not applicable
Solubility:	No data available
Evaporation Rate:	No data available
Partition Coefficient: (n-octanol/water)	No data available
Auto-ignition Temperature:	No data available
Viscosity, kinematic:	Not applicable
Explosive Properties:	Non-explosive
Oxidizing properties:	No data available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: No hazardous reactions if stored and handled under normal conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

Conditions to avoid: Keep away from frost, heat and sunlight.

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: Hazardous decomposition products should not be produced if stored and handled as prescribed/indicated.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and Chronic Toxicity

The following ATE values have been calculated for the mixture
ATEmix (oral) 5,228.30 mg/kg
ATEmix (dermal) 5,228.30 mg/kg

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzenamine, N-phenyl, styrenated (68442-68-2)	> 5 g/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Acute toxicity: Based on available data, the classification criteria are not met.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/eye irritation: Not classified based on available information.

Respiratory or skin sensitization: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

STOT - single exposure: Not classified based on available information.

STOT - repeated exposure: Not classified based on available information.

Aspiration hazard Not classified based on available information.

Other adverse effects No information available.

Interactive effects No information available.

Information on likely routes of exposure

Inhalation: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

Skin contact: Specific test data for the substance or mixture is not available.

Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics
No information available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Very toxic to aquatic life with long-lasting effects.

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Benzenamine, N-phenyl, styrenated (68442-68-2)		EC50: =50mg/L (48h, Daphnia magna)	EC50: =0.39mg/L (72h, freshwater algae)	EC50: >10000mg/L (3h, activated sludge)

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

Other adverse effects: No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions/methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and in accordance with local, regional, national and international regulations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues and must be treated as waste. Empty containers should be handled in a manner not to cause dusting during collection, transportation and disposal. Avoid runoff and contact with soil, waterways, drains and sewers.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT: Not regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status: Chemical components are listed as "Active" on the TSCA Inventory.

US Federal Regulations

Title III SARA Status:

SARA Section 311/312 Hazard Categories- No
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

SARA 313-Toxic Chemicals
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

US State Regulations

California Proposition 65: This product may contain trace amounts of Proposition 65 materials.
Warning: This product can expose you to chemicals including diethanolamine, which is known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

SECTION 16 - OTHER INFORMATION

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