SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STANGARD® SP POWDER

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

Recommended use Antioxidant
Restrictions on use: No information available

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

OSHA Regulatory Status: This material is classified as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture:
Skin corrosion/irritation, Category 2
Skin sensitization, Category 1A

GHS Label Elements
Hazard symbol:



Signal word: Warning

Hazard statements:
Causes skin irritation
May cause an allergic skin reaction

Precautionary Statements:

Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin thoroughly after handling.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.
IF ON SKIN: 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.
Collect spillage.
Dispose of contents and/or container to a licensed waste disposal facility in accordance with local, regional, and national regulations.

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

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

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture:

Components Chemical Identity	CAS Number	Weight%
Phenol, styrenated	61788-44-1	65 - 75
Silica, amorphous, precipitated and gel	112926-00-8	28 - 32
Phenol	108-95-2	0.1 - 0.9

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove affected person to fresh air and keep at rest in a position comfortable for breathing. If difficulty breathing, seek medical attention. If not breathing, provide artificial respiration.

Ingestion: Rinse mouth out with water and then drink plenty of water. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. If feeling unwell or in any case of doubt, get medical advice/attention.

Skin contact: Remove all contaminated clothing and wash exposed skin with soap and water. If skin irritation or rash occurs, get medical advice/attention. Contaminated clothing should be laundered before reuse.

Eye contact: Rinse thoroughly with water for at least 15 minutes, lifting upper and lower eyelids. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical advice/attention.

General Advice: In case of overexposure or if symptoms develop, seek medical attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the physician in attendance.

Most important symptoms/effects, acute and delayed:

Eye contact: No information available.

Inhalation: No information available.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion: May be harmful if swallowed.

Notes to physician: Provide symptomatic/supportive care as necessary. Treatment based on sound judgment of physician and individual reactions of patient.

Indication of immediate medical attention and special treatment needed: Specific treatments in any case must be based on the physician's judgment and in response to the patient's reactions.

SECTION 5 – FIRE FIGHTING MEASURES

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

Unsuitable extinguishing method: Use of water spray when fighting fire may be inefficient. Do not use high volume water jet.

Specific hazards arising from chemical: No information available.

Combustion products: No information available.

Special firefighting equipment and precautions for firefighters: Avoid breathing smoke or fumes. Firefighters should wear an NIOSH approved 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. Use water spray to cool fire exposed containers. Do not allow runoff to enter drains, sewers or waterways.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin and clothing. Wear suitable protective equipment (See Section 8). Unnecessary personnel should be kept clear of the area.

Methods and materials for containment and cleaning up:
Prevent further leakage or spillage, if this is without risk. Take up any spilled product by mechanical means and place into proper container for disposal. Dispose of waste materials, including empty product containers, in

accordance with local, state and federal regulations. Clean surfaces thoroughly to prevent residual contamination. Do not allow runoff to enter drains, sewers or waterways.

Environmental precautions:
Do not allow runoff to enter drains, sewers or waterways. In the event of a spill or accidental release that cannot be contained, notify the relevant authorities in accordance with all applicable regulations. Avoid release to the environment.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment (See Section 8). Good industrial hygiene and safety practices should be observed. Wash hands and exposed skin thoroughly after handling. Contaminated work clothing should must not be allowed out of the workplace and should be washed before reuse.

Conditions for safe storage, including any incompatibilities: Store containers tightly closed in a cool, dry, well-ventilated area. Protect from freezing. Avoid extremes of temperature and direct sunlight. Avoid release to the environment.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silica, amorphous, precipitated and gel 112926-00-8	-	(vacated) TWA: 6 mg/m³ TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA	-
Phenol 108-95-2	TWA: 5 ppm S*	TWA: 5 ppm TWA: 19 mg/m³ (vacated) TWA: 5 ppm (vacated) TWA: 19 mg/m³ (vacated) S* S*	IDLH: 250 ppm Ceiling: 15.6 ppm 15 min Ceiling: 60 mg/m³ 15 min TWA: 5 ppm TWA: 19 mg/m³

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: Safety glasses

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 and exposed skin thoroughly with soap and water.

Body protection: To protect the body, wear impervious clothing such as coveralls to minimize skin contact. Select protective equipment according to the concentration and amount of the dangerous substance at the specific workplace. Contaminated work clothing should be washed before reuse.

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)

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 (°C):	No data available
Flammable/Explosion Limits:	No data available
Relative Density (Specific Gravity):	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Solubility:	No data available
Evaporation Rate:	No data available
Partition Coefficient: (n-octanol/water)	No data available
Auto-ignition Temperature:	No data available
Viscosity:	No data available
Explosive Properties:	No data available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: No information available.

Chemical stability: Stable under normal conditions of handling, use and transportation.

Possibility of hazardous reactions: Under normal conditions of use, hazardous reactions are not anticipated.

Conditions to avoid: Keep out of direct sunlight. Protect from freezing. Avoid extremes of temperature.

Incompatible materials: None known.

Hazardous decomposition products: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Phenol, styrenated 61788-44-1	2100 - 6700 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	> 2.5 mg/L (Rat) 6 h
Phenol 108-95-2	= 340 mg/kg (Rat)	= 630 mg/kg (Rabbit)	-

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	2,463.30 mg/kg
ATEmix (dermal)	6,309.90 mg/kg
ATEmix (inhalation-dust/mist)	72.00 mg/l

Irritation/Corrosion:

Skin: Causes skin irritation
Eyes: No information available
Respiratory: No information available

Sensitization:

Skin: May cause an allergic skin reaction
Respiratory: No information available

Mutagenicity: No information available

Carcinogenicity:

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica, amorphous, precipitated and gel 112926-00-8	-	Group 3	-	-
Phenol 108-95-2	-	Group 3	-	-

Reproductive/Developmental toxicity: No information available

Specific target organ toxicity-single exposure: No information available

Specific target organ toxicity-repeated exposure: No information available

Information on likely routes of exposure: No information available

Potential acute health effects:

Eye contact: No information available
Inhalation: No information available
Skin contact: No information available
Ingestion: No information available

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: No information available
Skin Contact: No information available
Eye Contact: No information available
Ingestion: No information available

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

Short term exposure:

Potential immediate effects: No information available
Potential delayed effects: No information available

Long term exposure:

Potential immediate effects: No information available
Potential delayed effects: No information available

Potential chronic health effects: No information available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Phenol 108-95-2	0.0188 - 0.1044: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 187 - 279: 72 h Desmodesmus subspicatus mg/L EC50 static 46.42: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.9 - 25.3: 96 h Lepomis macrochirus mg/L LC50 flow-through 11.9 - 50.5: 96 h Pimephales promelas mg/L LC50 flow-through 20.5 - 25.6: 96 h Pimephales promelas mg/L LC50 static 23.4 - 36.6: 96 h Oryzias latipes mg/L LC50 static 33.9 - 43.3: 96 h Oryzias latipes mg/L LC50 flow-through 34.09 - 47.64: 96 h Poecilia reticulata mg/L LC50 static 4.23 - 7.49: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 5.0 - 12.0: 96 h Oncorhynchus mykiss mg/L LC50 5.449 - 6.789: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 7.5 - 14: 96 h Oncorhynchus mykiss mg/L LC50 static 0.00175: 96 h Cyprinus carpio mg/L LC50 semi-static 11.5: 96 h Lepomis macrochirus mg/L LC50 semi-static 13.5: 96 h Lepomis macrochirus mg/L LC50 static 27.8: 96 h Brachydanio rerio mg/L LC50 31: 96 h Poecilia reticulata mg/L LC50 semi-static 32: 96 h Pimephales promelas mg/L LC50	10.2 - 15.5: 48 h Daphnia magna mg/L EC50 4.24 - 10.7: 48 h Daphnia magna mg/L EC50 Static

Persistence and degradability: No information available

Bioaccumulative potential:

Chemical Name	Partition coefficient
Phenol, styrenated 61788-44-1	3.03
Phenol 108-95-2	1.5

Mobility in soil: No information available

Other adverse effects: No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions: 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 any regional local authority requirements. 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. Do not allow runoff to enter soil, waterways, drains and sewers.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT: Not regulated as a hazardous material in accordance with 49 CFR §171.4(c) when shipped in non-bulk packaging.

IMDG: UN3077, Environmentally Hazardous Substance, Liquid, N.O.S., (Styrenated phenol), 9, III, Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

U.S.:

TSCA Inventory Status: Chemical components are listed or exempt.

Title III SARA Status:
SARA Section 311 & 312- Yes
Skin corrosion/irritation, Category 2
Skin sensitization, Category 1A

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:

Phenol, CAS #108-95-2

CERCLA
This product contains the following hazardous substance(s) subject to CERCLA (40 CFR 302.4) Reportable Quantity requirements:

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phenol 108-95-2	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

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