SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STANGARD® SP LIQUID

Other means of identification
Chemical name: Phenol, styrenated
Synonyms: Styrenated phenol

Recommended use Antioxidant
Rubber additive
Restrictions on use: No additional 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 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: 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	>99
Phenol	108-95-2	≤1

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: If swallowed, rinse mouth out with water and contact a physician or poison control center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

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

Eye contact: Rinse cautiously with water for several 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: No information available.

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 powder.

Unsuitable extinguishing method: Do not use water jet.

Specific hazards arising from chemical: Combustion or thermal decomposition will evolve toxic and irritant vapors.

Combustion products: Carbon monoxide. Carbon dioxide.

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 containers. Do not allow runoff to enter drains, sewers or waterways.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:
Avoid contact with eyes, skin and clothing. Wear suitable protective equipment (See Section 8). Avoid breathing vapors/mist/spray.

Methods and materials for containment and cleaning up:
Stop the flow of material and move containers from spill area, if this is without risk. Contain spills with sand, earth or any suitable adsorbent material. 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. Avoid breathing vapors/mist/spray. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment (See Section 8). Good hygienic 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. Keep out of direct sunlight. Store away from oxidizing agents. Avoid release to the environment.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Phenol
CAS # 108-95-2 **PEL (OSHA):** 5 ppm (skin)

Recommended monitoring method: NIOSH 2546 (Cresols & Phenol)

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 with side-shields.

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. 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:	Pale amber liquid
Odor:	Mild
Decomposition Temperature:	No data available
Odor Threshold:	No data available
pH:	5.5 (10% solution)
Boiling Point/Range:	> 240°C (> 464°F)
Melting Point:	No data available
Freezing Point:	< -15°C (< 5°F)
Flash Point (°C):	129°C (264°F)
Flammable/Explosion Limits:	No data available
Relative Density (Specific Gravity):	1.06 – 1.078 g/mL
Vapor Pressure:	0.009 (25°C/77°F) (pascal)
Vapor Density:	No data available
Solubility:	Slightly soluble (water)
Evaporation Rate:	No data available
Partition Coefficient: (n-octanol/water)	> 4 (log Pow)
Auto-ignition Temperature:	Not applicable
Viscosity:	No data available
Explosive Properties:	Not explosive

SECTION 10 - STABILITY & REACTIVITY

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

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

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

Conditions to avoid: Keep out of direct sunlight. Avoid contact with incompatible materials.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic and irritant vapors. Form: Oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Phenol, styrenated
CAS # 61788-44-1

Oral: LD50 (Rat): >2,000 mg/kg -bw
Dermal: LD50 (Rat): >2,000 mg/kg
Inhalation: LC50: >4.92 mg/L (estimated)

Phenol
CAS # 108-95-2

Oral: No data available
Dermal: No data available
Inhalation: No data available

Irritation/Corrosion:

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

Sensitization:

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

Mutagenicity: There is no evidence of mutagenic potential

Carcinogenicity: No additional information available.
OSHA: No
IARC: No
ACGIH: No
NTP: No

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: Eye contact, inhalation, skin contact

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: Estimated/Calculated

Acute Toxicity

LL50 (Fish): 3.2 – 5.6 mg/L (96 hr)
EC50 (Daphnia magna): 1.44 – 4.6 mg/L (48 hr)
EL50 (Algae): 3.14 – 20.42 mg/L (72 hr)

NOEC (Fish): 1.9 mg/L (14 d)
NOEC (Daphnia magna): 0.115 mg/L

Chronic Toxicity

NOEC (Fish): 1.9 mg/L (14 d)
NOEC (Daphnia magna): 0.115 mg/L

Persistence and degradability: Not readily biodegradable

Bioaccumulative potential: Moderate potential for bioaccumulation

Mobility in soil: Predicted to have low mobility in soil

Other adverse effects: None

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: UN3082, 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
Typical % weight: 0.5

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

Phenol, CAS #108-95-2
Typical % weight: <0.5
Reportable Quantity (pounds): 500

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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Version #: 01

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