



HARWICK
S T A N D A R D

Safety Data Sheet
STANGARD[®] 6PPD
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STANGARD[®] 6PPD

Other means of identification

Chemical name: N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine

Recommended use and restrictions on use: Antiozonant

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:

Acute toxicity, Category 4

Skin Sensitization, Category 1

OSHA Regulatory Status: Classified as hazardous based on components.

GHS Label Elements

Hazard Symbol:



Signal word: Warning

Hazard statements:

Harmful if swallowed.

May cause an allergic skin reaction.

Precautionary Statements:

Avoid breathing dust/fume/gas/mist/vapors/spray.



Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
IF SWALLOWED: Call a Poison Center/doctor if you feel unwell.
Rinse mouth.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

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

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture:

Chemical Identity	CAS Number	Weight%
N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine	793-24-8	>97%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove to fresh air and keep at rest. For breathing difficulties, oxygen may be necessary. If not breathing, give artificial respiration and get medical attention immediately.

Ingestion: If swallowed, rinse mouth with water (only if person is conscious). Get medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give liquid to an unconscious person.

Skin contact: Immediately remove contaminated clothing and shoes. Wash skin with plenty of soap and water. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse. If irritation persists, consult a physician.

Eye contact: Remove contact lenses if worn. Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: Harmful if swallowed.
May cause an allergic skin reaction.



Indication of immediate medical attention and special treatment needed: Harmful if swallowed. May cause sensitization by skin contact. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

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

Unsuitable extinguishing method: Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from chemical: May ignite at high temperature. Formation of toxic gases is possible during heating or in case of fire. Hazardous Combustion Products: Carbon dioxide, carbon monoxide, oxides of nitrogen.

Firefighting equipment/instructions: In case of fire: evacuate area. Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Wear NIOSH/MSHA approved self-contained breathing apparatus and full protective equipment. Prevent runoff from entering streams, sewers or drinking water supply.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Keep unauthorized personnel away. Ensure adequate ventilation. Remove ignition sources and work with non-sparking tools. Avoid contact with substance. Avoid breathing dust. Avoid generation of dust. Use respiratory protection device against the effects of fumes/dust. Wear protective equipment. See Section 8 of SDS for Personal Protective Equipment.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Clean up spills immediately and dispose of waste safely. Do not contaminate water sources or sewer.

Methods and materials for containment and cleaning up:

Mechanically collect and place in appropriate container for disposal according to local regulations. Do NOT spread spilled material with water. Clean surface thoroughly to remove residual contamination. Prevent runoff from entering drains, sewers or streams.

SECTION 7 - HANDLING AND STORAGE



Precautions for safe handling: Wear appropriate personal protective equipment. See Section 8 of the SDS. Avoid contact with skin, eyes and clothing. Avoid generation of dust. Avoid breathing of dust. In case of dust, provide adequate ventilation and local exhaust as needed. Remove contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities: Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to high temperatures or direct sunlight. Store away from incompatible materials: Strong oxidizing agents. Do not store near Insoluble Sulfur.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.

Appropriate engineering controls: Ventilation: Use Local exhaust, mechanical or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Safety glasses with side-shields.

Skin protection:

Hand protection: Chemical-resistant, impervious, protective gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that eye flushing systems and safety showers are located close to the working place.

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. Use suitable respiratory protection in case of insufficient ventilation. Use suitable respiratory protections when high concentrations are present.



General hygiene considerations: Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Immediately remove all soiled or contaminated clothing. Avoid contact with eyes and skin.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Brown to purple pastilles
Odor:	Light aromatic
pH:	Not available
Boiling Point/Range:	230°C at 13.3 hPa
Melting Point/Range:	Not available
Flash Point (°C):	200°C (392°F)
Evaporation rate:	Not available
Flammability (solid, gaseous):	Not classified as flammable
Explosive limits	Lower limit: Not available Upper limit: Not available
Vapor Pressure:	8.7 hPa at 200°C
Vapor Density:	Not available
Relative Density/ Specific Gravity:	0.986
Solubility:	1 mg/l at 50°C
Partition Coefficient: (n-octanol/water)	Not available
Auto-ignition Temperature:	500°C
Decomposition Temperature:	>200°C
Viscosity:	Not available

SECTION 10 - STABILITY & REACTIVITY

Reactivity: No data available.

Chemical stability: Material is stable under recommended storage and handling conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid contact with heat, open flames, sparks, hot surfaces.

Incompatible materials: Strong acids. Strong oxidizing materials.

Hazardous decomposition products: Emits acrid smoke and fumes when heating to decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:
Harmful if swallowed.



Component:

N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine
LD 50 Oral, Rat: 2,340 mg/kg

Skin Irritation/Corrosion:

Not classified based on available information.

Component:

N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine
Rabbit: 72 hours exposure time
Result: No skin irritation.

Eye Damage/Irritation:

Not classified based on available information.

Component:

N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine
Rabbit: 72 hours exposure time
Result: Slight irritation.

Respiratory or Skin Sensitization:

Skin sensitization: May cause an allergic skin reaction.

Respiratory sensitization: Not classified based on available information.

Component:

N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine
Test type: Human experience
Result: May cause sensitization by skin contact.

Reproductive Toxicity:

Not classified based on available information.

Component:

N-(1,3-Dimethylbutyl)-N'-Phenyl-p-Phenylenediamine
Administration of 6PPD at dietary concentration of 100 ppm to male and female rats for 3 successive generations produced no adverse effects on fetal, pup or adult survival or on mating or fertility indices.

Germ cell Mutagenicity:

Not classified based on available information.

Carcinogenicity:

Not classified based on available information.

No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

No component of this product present at levels greater than 0.1% is identified as a known or anticipated carcinogen by NTP.



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.

Symptoms related to the physical, chemical and toxicological characteristics:

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

Inhalation: None known.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: None known.

Ingestion: Harmful if swallowed.

SECTION 12 - ECOLOGICAL INFORMATION

Exotoxicity:

Harmful to aquatic life. May affect aquatic environment in long term.

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in soil:

No data available.

Additional information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose according to Federal, State and Local chemical and waste disposal regulations. Do not allow to enter into drainage system. Handle contaminated packages in the same way as the substance itself.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. DOT Classification: Not DOT regulated.



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SECTION 15 - REGULATORY INFORMATION

- U.S.:**
- TSCA Inventory Status:** Listed
 - SARA 311/312 Hazards:** Acute Health Hazard
 - SARA Section 313:** This material does not contain any chemical components with known CAS Numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16 - OTHER INFORMATION

- Issue date:** 12-11-2015
- Version #:** 01
- Revision Information:** GHS Format

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