



HARWICK
S T A N D A R D

Safety Data Sheet
STANGARD® IPPD
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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STANGARD® IPPD

Other means of identification

Chemical name: N-isopropyl-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, (oral), Category 4

Skin Sensitization, Category 1

Combustible dust

OSHA Hazard Communication Standard 29 CFR 1910.1200 Regulatory Status:

Classified as hazardous.

GHS Label Elements

Hazard Symbol:



Signal word: Warning

Hazard statements:

Harmful if swallowed.

May cause an allergic skin reaction.

May form combustible dust concentrations in air.



Precautionary Statements:

Avoid breathing dust.

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.

Collect spillage.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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

Supplemental information: Keep container tightly closed. Keep away from heat, sparks, open flames and hot surfaces-No smoking. Prevent dust accumulation. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area away from incompatible materials and food and drink.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture: Substance

Chemical Identity	CAS Number	Weight%
N-isopropyl-N'-phenyl-p-Phenylenediamine	101-72-4	>95%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 irritation develops or persists.

Most important symptoms/effects, acute and delayed: Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.

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

SECTION 5 – FIRE FIGHTING MEASURES

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

Unsuitable extinguishing method: Do NOT use water jet as will scatter and spread fire.

Specific hazards arising from chemical: Avoid generating dust. Fine dust dispersed in air in sufficient concentrations in the presence of an ignition source is a potential dust explosion hazards. 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. Do not breathe fumes. 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.

General fire hazards: May form combustible dust concentrations in air.

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. Avoid discharge into drains, watercourses or onto the ground.

Methods and materials for containment and cleaning up:

Eliminate all sources of ignition. Use only non-sparking tools. Avoid dispersal of dust in the air. Sweep up or vacuum spillage 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. Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. Observe good industrial hygiene practices.

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, acids.

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 (NIOSH/MSHA) 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:	Gray purple to purple brown pastilles
Odor:	Light aromatic
pH:	Not available
Boiling Point/Range:	Not available
Melting Point/Range:	>70°C (158°F)
Flash Point (°C):	Not available
Evaporation rate:	Not available
Flammability (solid, gaseous):	Not available
Explosive limits	Lower limit: Not available
	Upper limit: Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density/	
Specific Gravity:	1.1
Solubility (in water):	Negligible
Partition Coefficient:	
(n-octanol/water)	Not available
Auto-ignition Temperature:	Not available
Decomposition Temperature:	Not available
Other information:	
Explosive properties:	Not explosive

SECTION 10 - STABILITY & REACTIVITY

Reactivity: The substance is stable under normal storage and handling conditions.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: None known. Hazardous polymerization does not occur.

Conditions to avoid: **Contact with incompatible materials. Keep away from** heat, sparks, open flames. Minimize dust generation and accumulation.

Incompatible materials: Strong acids. Strong oxidizing materials.



Hazardous decomposition products: Carbon oxides and nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:

Component:

N-isopropyl-N'-phenyl-p-Phenylenediamine

LD 50 Oral, Rat: 555-2000 mg/kg

LD 50 Dermal, Rabbit: >7940 mg/kg

Skin Irritation/Corrosion:

Prolonged skin contact may cause temporary irritation.

Eye Damage/Irritation:

Direct contact with eyes may cause temporary irritation.

Respiratory or Skin Sensitization:

Not a respiratory sensitizer.

May cause an allergic skin reaction.

Reproductive Toxicity:

Product not expected to cause reproductive or developmental effects.

Germ cell Mutagenicity:

No data available to indicate product is mutagenic or genotoxic.

Carcinogenicity:

Product is not considered to be carcinogen by IARC, NTP or OSHA.

STOT-single exposure:

Not classified based on available information.

STOT-repeated exposure:

Not classified based on available information.

Aspiration hazard:

Not an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics: Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis. Rash.

Inhalation: No adverse effects due to inhalation are expected.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: Direct contact with eyes may cause temporary irritation.



Ingestion: Harmful if swallowed.

SECTION 12 - ECOLOGICAL INFORMATION

Exotoxicity:

No data available.

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. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. 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.

SECTION 15 - REGULATORY INFORMATION

U.S.:

TSCA Inventory Status: Listed

SARA 311/312 Hazards: Acute Health Hazard. Fire 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: 11-30-2016



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