

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Shield DPA 15% Super Refined

Company: Pace International, LLC

Address: Office

1201 3rd Avenue, Suite 5450
Seattle, WA 98101

Manufacturing / Distribution

5661 Branch Road
Wapato, WA 98951

Emergency Phone Number: 800.424.9300 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

CAS #	Component	%	Exposure Limits
122-39-4	diphenylamine	15	10 mg/m ³
67-63-0	isopropanol	20	400 ppm TLV

Other Components

proprietary

3. HAZARDS IDENTIFICATION

Flammable. Harmful if swallowed or absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Toxic to fish and aquatic organisms.

4. FIRST AID MEASURES

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, foam, CO₂

Special Exposure Hazards: Combustion of diphenylamine may generate toxic oxides of nitrogen. Keep product away from strong oxidizers.

Special Protective Equipment for Firefighters: Wear self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8 for personal protection measures.

Environmental Precautions: Do not allow product to enter sewers, lakes, streams or other bodies of water.

Methods for Cleaning Up: See Section 13 for disposal recommendations.



7. HANDLING & STORAGE

- Handling:** Good standards of hygiene should be maintained at all times. Smoking, eating, and drinking is prohibited in the work area. For personal protection, see section 8.
- Storage:** Do not use or store near heat or open flames. Keep away from strong oxidizers. Avoid storing below 40°F (4°C). Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Protective Clothing:** Long sleeved shirt and long pants, shoes and socks, chemical resistant gloves such as PVC, nitrile or butyl rubber.
- Respiratory Protection:** Not normally required. A NIOSH-approved respirator with solvent type canister may be used in misty environments without proper ventilation.
- Eye Protection:** Chemical goggles recommended. Eye fountain and washing facilities should be present at work area.

9. PHYSICAL & CHEMICAL PROPERTIES

- Appearance:** Light amber liquid
- Odor:** Alcoholic
- Boiling Point:** < 212°F (100°C)
- Flash Point:** 74°F (23°C) closed cup method
- Flammable Limits:** Not available
- Explosive Properties:** No data available
- Oxidizing Properties:** No oxidizing properties
- Vapor Pressure:** No data available
- pH (@ 25°C):** 5.26
- Specific Gravity:** 0.95 (H₂O=1)
- Solubility in Water:** Dispersible
- Viscosity:** 21.48 mm²/s (cSt) @ 25°C
- % Volatile by Weight:** 20%

10. STABILITY & REACTIVITY

- Conditions/Materials to Avoid:** Heat and open flames. Strong oxidizers.
- Hazardous Decomposition Products:** None

11. TOXICOLOGICAL INFORMATION

- Acute Oral:** LD₅₀ oral (rat): 2720 mg/kg
- Acute Dermal:** LD₅₀ dermal (rat): > 2000 mg/kg
- Inhalation:** LC₅₀ (rat): 1.46 mg/L
- Eye Irritation:** Slight irritant (EPA Category III)
- Skin Irritation:** Slight irritant (EPA Category III)
- Sensitization:** Not a dermal sensitizer.

12. ECOLOGICAL INFORMATION

diphenylamine

- Acute toxicity:
- Northern bobwhite quail, LD₅₀: > 2250 mg/kg
- Mallard duck, LC₅₀ (5-day): > 5205 ppm
- Rainbow trout, LC₅₀ (96h): 2.2 ppm
- Daphnia magna, LC₅₀/EC₅₀ (48h): 1.2 ppm



13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

Proper Shipping Name: Flammable liquids, n.o.s. (Isopropanol)

Hazard Class: 3

UN Number: UN 1993

Packing Group: III

15. REGULATORY INFORMATION

Health Canada: Shield DPA 15% is registered under the Pest Control Product Act under registration number 18983.

FIFRA: Shield DPA 15% is registered with the U.S. EPA under registration number 64864-3.

SARA 313: Contains diphenylamine (CAS # 122-39-4), which is subject to SARA Title III Section 313 reporting requirements.

TSCA: All components of this product are included or exempt from inclusion in EPA's Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

16. OTHER INFORMATION

HMIS Ratings: Health – 1 Flammability – 3 Reactivity – 0

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MSDS Revision Date: 12/17/09

Supersedes: 06/10/09

