

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Shield DPA 15% Super Refined **EPA Reg #** 64864-3
Product Code: 10036
Product Use: For Reducing Apple Scald During Storage
Supplier: Pace International, LLC
Address: 5661 Branch Road, Wapato, WA 98951
Phone Number: 800-936-6750 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)
Medical Emergency Phone Number: 888-271-4649 (PROSAR)
Transportation Emergency Phone Number: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Classification:
 Physical, Flammable Category 3
 Acute Inhalation, Category 5
 Skin irritation, Category 2
 Eye irritation, Category 2A
 Specific Target Organ Toxicity (Single Exposure), Category 3
 Specific Target Organ Toxicity (Repeated Exposure), Category 2
 Acute Aquatic, Category 2

Hazard Symbols:



Hazard Statements:

WARNING
 H226 Flammable liquid and vapour
 H333 May be harmful if inhaled.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure (nervous system, liver, kidneys, and bone marrow).
 H401 Toxic to aquatic life.

Precautionary Statements:

Prevention Statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P241 Use explosion-proof electrical / ventilating / lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe mists / vapours / spray.
 P261 Avoid breathing mist/vapours/ or spray.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear impermeable clothing, safety goggles or face shield and chemical resistant gloves.

Response Statements:

P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P370/378 In case of fire: Use dry chemical, foam, CO₂ to extinguish.
 P304/312/340 IF INHALED: Call POISON CENTER / doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.
 P321 Specific treatment see Section 4 First Aid Measures.
 P332/313 If skin irritation occurs: Get medical advice/attention.
 P362/364 Take off contaminated clothing and wash it before reuse.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337/313 If eye irritation persists: Get medical advice/attention.
 P390 Absorb spillage to prevent material damage.
 P312 Call a POISON CENTER or doctor if you feel unwell.
 P314 Get medical advice/attention if you feel unwell.

Storage Statements:

P403/235 Store in well-ventilated place. Keep cool
 P233 Keep container tightly closed.
 P405 Store locked up.

Disposal Statements:

P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration (w/w %)
Diphenylamine	122-39-4	< 15 %
Isopropanol	67-63-0	< 21 %
Proprietary ingredients		Balance



4. FIRST AID MEASURES

General	Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician, or going for treatment.
Advice:	
If on Skin:	Take off contaminated clothing. Wash skin with plenty of soap and water. If redness, burning, or irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.
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. Get medical advice/attention.
If Swallowed:	Call a poison control center or doctor for treatment advice. 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 Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Flammable. Use dry chemical, foam, CO ₂
Special Exposure Hazards:	Combustion of diphenylamine may generate toxic oxides of nitrogen. Keep product away from strong oxidizers.
Special Protective Equipment / Procedures for Firefighters:	Wear self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear impermeable clothing, safety goggles or face shield, and chemical resistant gloves.
Environmental Precautions:	In case of spill isolate area and deny entry to unnecessary personnel. Do not allow product to enter sewers, lakes, streams or other bodies of water.
Containment / Clean-Up Methods:	Stop spill at the source. Construct temporary dikes of dirt, sand, or other appropriate material to prevent spreading of the material. Then absorb with an inert material such as sand or vermiculite and place in an appropriate container for disposal.

7. HANDLING & STORAGE

Handling:	Avoid contact with skin and eyes. Good standards of hygiene should be maintained at all times. Smoking, eating, and drinking are prohibited in the work area. For personal protection wear impermeable clothing, safety goggles or face shield and chemical resistant gloves.
Storage:	Do not use or store near heat or open flames. Store in a cool, dry area at room temperature, and away from direct sunlight. Keep away from strong oxidizers. Avoid storing below 40°F (4°C). Keep container tightly closed when not in use. Keep out of reach of children and livestock. Store in locked location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:	Diphenylamine CAS# 122-39-4 10 mg/m ³ ACGIH TLV Isopropanol CAS# 67-63-0 980 mg/m ³ 400 ppm OSHA PEL 400 ppm (ST) 500 ppm Cal/OSHA PEL, NIOSH REL 200 ppm (ST) 400 ppm ACGIH TLV
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Engineering Controls:

Local exhaust ventilation maybe necessary to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Provide mechanical ventilation for confined spaces

**Personal Protective
Equipment :**



Clothing: Wear impermeable clothing and chemical resistant gloves when handling.

Eye Protection: Chemical goggles or face shield recommended. Eye fountain and washing facilities should be present at work area.

Respiratory Protection: Not normally required. A NIOSH-approved respirator with organic vapor filter may be used in misty environments without proper ventilation.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Light amber	Upper/Lower flammability limits:	Not available
Odor:	Alcoholic	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density: (air =1)	Not available
pH:	5.0 – 6.0	Specific Gravity: (H₂O = 1)	0.95
Melting/Freezing point:	Not available	Solubility:	Dispersible
Boiling point:	212°F (100°C)	Partition coefficient (n-octanol-water):	Not available
Flash point:	74°F (23°C) closed cup method	Auto-ignition temperature:	Not available
Evaporation rate:	Not available	Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable	Viscosity:	21.48mm ^{2/s} (cSt) @ 25°C

10. STABILITY & REACTIVITY

Reactivity hazards:	None known
Chemical stability:	Stable at ambient conditions
Conditions to avoid:	Heat and open flames.
Incompatible materials:	Strong oxidizers.
Hazardous decomposition products:	None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Acute Oral:	LD ₅₀ (estimate): > 5000 mg/kg	Based on Ingredients
	Acute Dermal:	LD ₅₀ (estimate): > 5000 mg/kg	Based on Ingredients
	Inhalation:	LC ₅₀ (estimate): > 24 mg/L	Based on Ingredients
Skin corrosion/irritation:	Causes skin irritation.		
Eye damage/irritation:	Causes serious eye irritation.		
Respiratory/Skin sensitization:	May cause respiratory irritation, may cause drowsiness or dizziness.		
Germ cell mutagenicity:	Not available		
Carcinogenicity:	No carcinogenic effects are expected due to product being comprised of FDA-approved food-grade ingredients.		
Reproductive toxicity:	Occasional workplace exposure is not expected to present a hazard.		
Target organ effects:	May cause damage to nervous system, liver, kidneys, and bone marrow.		
Aspiration hazard:	Material does not present an aspiration hazard.		
Potential health effects:	May cause redness and reversible irritation to eyes. Prolonged or repeated contact may cause skin irritation. Absorption through skin may cause nervous system, liver, kidney, and bone marrow damage.		



12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ (96-hr) fish: > 3.5 mg/L (estimate) Acute toxicity: Northern bobwhite quail, LD ₅₀ : > 2250 mg/kg Mallard duck, LC ₅₀ (5-day): > 5205 ppm Rainbow trout, LC ₅₀ (96h): 2.2 ppm Daphnia magna, LC ₅₀ /EC ₅₀ (48h): 1.2 ppm	Based on Ingredients diphenylamine
Persistence/ degradability:	Not available	
Bioaccumulative potential:	Not available	
Mobility in soil:	Not available	
Other adverse effects:	Toxic to aquatic life.	

13. DISPOSAL CONSIDERATIONS

Disposal methods: Recover or recycle if possible. Do not discharge into sewers, lakes, streams, or other bodies of water. Disposal should be made in accordance with applicable regional, national and local laws and regulations. Consult appropriate regulatory officials for information on disposal, keeping in mind that local regulations may be more stringent than regional or national requirements.

14. TRANSPORT INFORMATION

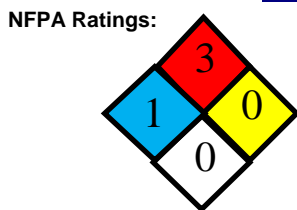
	<u>DOT</u>	<u>IMDG</u>	<u>IATA</u>
UN number:	UN 1993	Not applicable	Not applicable
Proper shipping name:	Flammable Liquids, n.o.s. (Isopropanol)	Not regulated	Not regulated
Hazard class(es):	3	Not applicable	Not applicable
Packing group:	III	Not applicable	Not applicable
Marine Pollutant:	Not applicable		
Special precautions:	None		

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 SDS contains all of the information required by the CPR.

16. OTHER INFORMATION

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



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responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Pace International, LLC) to confirm that you have the most current product label and SDS.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABEL (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). The product label provides information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of FIFRA through the product label. All necessary hazard classification and appropriate precautionary use, storage, and disposal information is set forth on that label or labeling accompanying the pesticide or to which reference is made on the label. It is a violation of federal law to use an EPA-registered pesticide product in any manner inconsistent with its labeling.

SDS preparation date: May 26, 2015
Changes since last revision: New format to SDS

Replaces MSDS dated: December 12, 2012

