

**SAFETY DATA SHEET**

**1. PRODUCT & COMPANY IDENTIFICATION**

**Product Name:** eFOG-170<sup>®</sup> DPA **EPA Reg# 64864-69**  
**Product Code:** 10417  
**Product Use:** Antiscald Agent for Post Harvest Treatment of Apples by Thermal Fogging  
**Product Restrictions:** For Agriculture Use Only  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer:** 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**

GHS Classification in accordance with 29 CFR 1910 (2012 OSHA Hazard Communication Standard)  
 This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification:**  
 Physical Hazards, Flammable liquid,  
 Category 3  
 Health Hazards  
 Serious eye damage / eye irritation,  
 Category 2A  
 Specific Target Organ Toxicity – repeated  
 exposure, Category 2

**Hazard Symbols:**



**Signal Word:**  
 WARNING

**Hazard Statements:**  
 H226 Flammable liquid and vapor.  
 H319 Causes serious eye irritation.  
 H373 May cause damage to organs through  
 prolonged or repeated exposure.

**Other Hazards:**  
**Hazard(s) not otherwise classified  
 (HNOC):**  
**Supplemental information**

**Precautionary Statements:**  
**Prevention Statements:**  
 P210 Keep away from heat/sparks/open flames/hot surfaces. No  
 smoking.  
 P233 Keep container tightly closed.  
 P240 Ground/Bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective clothing, chemical resistant gloves, and  
 safety glasses. Fogging applicators must wear a NIOSH-approved  
 full-face respirator with organic vapor filter.  
 P260 Do not breathe fumes/gas/mist/vapors/spray.

**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, CO<sub>2</sub> to extinguish.  
 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.  
 P314 Get medical advice/attention if you feel unwell.

**Storage Statements:**  
 P403/235 Store in a well-ventilated place. Keep cool.

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

None known.  
 None known.

This is a registered EPA product.  
 US: Exempt – EPA Reg. # 64864-69 EPA Est. # 64864-WA-1  
 The product labeling is in compliance with EPA regulations and  
 guidelines.

Refer to product label for further information.



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>Concentration (w/w %)</u>
Diphenylamine	122-39-4	17%
Acetic acid ethyl ester	141-78-6	3 - 7%*
Acetic acid pentyl ester	628-63-7	7 - 13%*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments:** \*US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### 4. FIRST AID MEASURES

<b>General Advice:</b>	Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician, or going for treatment. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.
<b>Skin contact:</b>	IF ON SKIN: Take off immediately all contaminated clothing. Wash skin with plenty of soap and water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact:</b>	IF IN EYES: Hold eye open and cautiously rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses if present and easy to do after the first 5 minutes, then continue rinsing eye. If eye irritation persists: Get medical advice/attention.
<b>Ingestion:</b>	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.
<b>Inhalation:</b>	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. If symptoms persist, obtain medical attention.
<b>Most important Symptoms / effects, acute and Delayed:</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Prolonged exposure may cause chronic effects.
<b>Indication of any immediate medical attention and special treatment needed:</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.
<b>Unsuitable Extinguishing Media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Special Hazards Arising from the Chemical:</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Hazardous combustion products:</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.
<b>Special protective equipment and precautions for firefighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions:</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods:</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards:</b>	Flammable liquid and vapor.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures:</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up:</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas. Wipe or mop up liquid, if any, and dispose properly. Never



**Environmental precautions:** return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.  
DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes  
DO NOT discharge effluent containing this product into sewer systems, lakes, streams, ponds, estuaries, oceans or other waters.

## 7. HANDLING & STORAGE

**Precautions for safe handling:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.  
Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Consult Agricultural Experiment Station or Extension Service pomology specialists for current recommended DPA use-solution concentrations for local apple varieties.  
Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not store near or use with oxidizing agents.  
When using, do not eat, drink or smoke. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Wear appropriate personal protective equipment when handling this product.

**Conditions for safe storage, including any incompatibilities:** Do not handle or store near an open flame, heat or other sources of ignition. Do not contaminate water, food or feed by storage and disposal.  
PESTICIDE STORAGE: Avoid storing below 40°F (5° C). In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Acetic acid ethyl ester (CAS 141-78-6)	PEL	1400 mg/m3 400 ppm
Acetic acid pentyl ester (CAS 628-63-7)	PEL	525 mg/m3 100 ppm

### US. ACGIH Threshold Limit Values

Acetic acid ethyl ester (CAS 141-78-6)	TWA	400 ppm
Acetic acid pentyl ester (CAS 628-63-7)	STEL TWA	100 ppm 50 ppm
Diphenylamine (CAS 122-39-4)	TWA	10 mg/m3

### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetic acid ethyl ester (CAS 141-78-6)	TWA	1400 mg/m3 400 ppm
Acetic acid pentyl ester (CAS 628-63-7)	TWA	525 mg/m3 100 ppm
Diphenylamine (CAS 122-39-4)	TWA	10 mg/m3

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Diphenylamine (CAS 122-39-4)	1.5%	Methemoglobin	Hemoglobin in blood	*

\*-For sampling details, please see the source document.

### Exposure guidelines

See above

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, 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

See below.

#### Skin protection



<b>Hand protection</b>	See below.
<b>Other</b>	Applicators must wear long-sleeved-shirts, long pants, shoes and socks, chemical resistant gloves made of any water proof material such as polyvinyl chloride, nitrile rubber or butyl rubber, and a minimum of a NIOSH-approved elastomeric full mask respirator with organic vapor (OV) cartridges and combination N, R or P filters: or a NIOSH-approved gas mask with OV canisters.
<b>Respiratory protection</b>	<p>Handlers (including mixers, loaders, persons cleaning or setting-up and/or monitoring the fogging equipment, and persons handling treated apples and/or apple containers still wet with the active ingredient) must wear long-sleeved shirt, long pants, shoes and socks, chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber and goggles.</p> <p>Fogging applicators must wear either a NIOSH-approved full face supplied-air respirator with organic vapor filter OR a NIOSH approved self-contained breathing apparatus (SCBA) with a full-face piece in addition to all protective equipment required for handlers as described above. In case it is necessary to enter the treatment area during treatment or before ventilation requirements have been met, handlers must wear chemical resistant headgear and a self-contained breathing apparatus (SCBA, MSHA/NIOSHA approval number prefix TC-13F).</p>
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid	<b>Upper/Lower flammability limits:</b>	Not available
<b>Appearance / Color:</b>	Light amber	<b>Vapor pressure:</b>	Not available
<b>Odor:</b>	Sweet, banana scent	<b>Vapor density: (air =1)</b>	Not available
<b>Odor threshold:</b>	Not available	<b>Specific Gravity: (H<sub>2</sub>O = 1)</b>	1.012
<b>pH:</b>	5.0 – 5.5	<b>Solubility:</b>	Dispersible
<b>Melting/Freezing point:</b>	Not available	<b>Partition coefficient (n-octanol-water):</b>	Not available
<b>Pour Point:</b>		<b>Auto-ignition temperature:</b>	Not available
<b>Initial boiling point and boiling range:</b>	<212°F (100°C) End product	<b>Decomposition temperature:</b>	Not available
<b>Flash point:</b>	90.5°F(32.5°C) Closed cup method	<b>Viscosity:</b>	10.655 cps @ 40°C 31.281 mm <sup>2</sup> / <sub>s</sub> (cSt)@20°C
<b>Evaporation rate:</b>	Not available	<b>Explosive properties:</b>	Not explosive
<b>Flammability (solid, gas):</b>	Not applicable	<b>Oxidizing properties:</b>	Not oxidizing

## 10. STABILITY & REACTIVITY

<b>Reactivity hazards:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport. This product may react with strong oxidizing agents. No dangerous reaction known under conditions of normal use.
<b>Possibility of Hazardous Reactions:</b>	
<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Conditions to avoid:</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not mix with other chemicals.
<b>Incompatible materials:</b>	Nitrates.
<b>Hazardous decomposition products:</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen.



## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	<b>Eye, Skin contact, Inhalation, Ingestion.</b>	
<b>Information on likely routes of exposure</b>		
<b>Inhalation</b>	May cause damage to organs through prolonged or repeated exposure by inhalation.	
<b>Skin corrosion / irritation:</b>	No adverse effects due to skin contact are expected.	
<b>Eye damage / irritation:</b>	Causes serious eye irritation.	
<b>Ingestion</b>	Expected to be a low ingestion hazard. May cause stomach distress, nausea or vomiting.	
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.	
<b>Information on toxicological effects</b>		
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
eFOG <sup>®</sup> -170 DPA (CAS Mixture)		
<b>Acute</b>		
<b>Dermal</b>		
<b>LD50</b>	Rat	>2000 mg/kg, (male, female)
<b>Inhalation</b>		
<b>LC50</b>	Rat	>2.1 mg/l/4h, (male, female)
<b>Oral</b>		
<b>LD50</b>	Rat	2000 mg/kg, (female)
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Acetic acid ethyl ester (CAS 141-78-6)		
<b>Acute</b>		
<b>Dermal</b>		
<b>LD50</b>	Rabbit	> 20000 mg/kg, 24 Hours, ECHA
<b>Inhalation</b>		
<b>LC50</b>	Mouse	1500 ppm, 4 Hours
	Rabbit	2500 ppm, 4 Hours
	Rat	4000 ppm, 4 Hours
<b>Oral</b>		
<b>LD50</b>	Rat	4934 mg/kg, ECHA
Acetic acid pentyl ester (CAS 628-63-7)		
<b>Acute</b>		
<b>Dermal</b>		
<b>LD50</b>	Not available	
<b>Inhalation</b>		
<b>LC50</b>	Not available	
<b>Oral</b>		
<b>LD50</b>	Rabbit	7400 mg/kg, SAX
	Rat	1600 mg/kg, NIOSH
Diphenylamine (CAS 122-39-4)		
<b>Acute</b>		
<b>Dermal</b>		
<b>LD50</b>	Not available	
<b>Inhalation</b>		
<b>LC50</b>	Not available	
<b>Oral</b>		
<b>LD50</b>	Gerbil; Hamster; Rat	>800 mg/kg, ECHA
<b>Skin corrosion/irritation:</b>	Prolonged skin contact may cause temporary irritation.	
<b>Exposure minutes</b>	Not available	
<b>Erythema value</b>	Not available	
<b>Oedema value</b>	Not available	
<b>Serious eye damage/eye irritation:</b>	Causes serious eye irritation.	
<b>Irritation:</b>		
<b>Corneal opacity value</b>	Not available	
<b>Iris lesion value</b>	Not available	
<b>Conjunctival reddening value</b>	Not available	
<b>Conjunctival oedema value</b>	Not available	
<b>Recover days</b>	Not available	
<b>Respiratory sensitization:</b>	Not a respiratory sensitizer.	



<b>Skin sensitization:</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity:</b>	See below.
<b>US. California Proposition 65 – CRT: Listed date/ Carcinogenic substance:</b>	4-Aminobiphenyl (4-amino-diphenyl) (CAS# 92-67-1) Aniline (CAS# 62-53-3)
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>	Not listed
<b>Reproductive toxicity:</b>	This product is not expected to cause reproductive or developmental effects.
<b>Teratogenicity:</b>	Not available.
<b>Specific target organ toxicity - single exposure:</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure:</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard:</b>	Material does not present an aspiration hazard.
<b>Chronic effects:</b>	May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	See below		
<b>Ecotoxicological data</b>	Species	Test Results	
<b>Components</b>			
Acetic acid ethyl ester (CAS 141-78-6)			
Crustacea EC50	Daphnia	560 mg/L, 48 Hours	
<b>Aquatic</b>			
Fish LC50	Indian catfish (Heteropneustes fossilis)	200.32–225.42 mg/L, 96 hours	
Acetic acid pentyl ester (CAS 628-63-7)			
<b>Aquatic</b>			
Fish LC50	Western mosquitofish (Gambusia affinis)	65 mg/L, 96 hours	
Diphenylamine (CAS 122-39-4)			
<b>Aquatic</b>			
Crustacea EC50	Water flea (Daphnia magna)	0.27 - 0.36 mg/L, 48 hours	
Fish LC50	Fathead minnow (Pimephales promelas)	3.471 - 4.141 mg/L, 96 hours	
<b>Persistence/ degradability:</b>	No data is available on the degradability of this product.		
<b>Bioaccumulative potential</b>			
<b>Mobility in soil:</b>	No data available.		
<b>Mobility in general:</b>	Not available.		
<b>Other adverse effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.		

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions:</b>	CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.
<b>Local disposal Regulations</b>	PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
<b>Hazardous waste code:</b>	Dispose in accordance with all applicable regulations. This material, in its original form and concentration, would designate as a D001 federal hazardous waste for ignitability when disposed.
<b>Waste from residues / unused products:</b>	PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
<b>Contaminated packaging:</b>	Dispose in accordance with all applicable regulations.



#### 14. TRANSPORT INFORMATION

**Transport of Dangerous Goods (TDG) Proof of Classification** Classification method: Classified according to Part 2, sections 2.1-2.8 of the Regulations for the transport of dangerous goods. If applicable, the technical name and product classification will appear below.

**U.S. Department of Transportation (DOT)**

**UN number:** UN1993  
**Proper shipping name:** Flammable Liquid, n.o.s. (Acetic acid ethyl ester, Acetic acid pentyl ester)  
**Hazard class(es):** 3  
**Packing group:** III  
**Marine Pollutant:** IMDG Regulated Marine Pollutant.  
**Packaging exceptions:** 150

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#### 15. REGULATORY INFORMATION

**US FEDERAL REGULATIONS**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This is an EPA registered product. This material can only be used commercially in the EPA registered application(s) noted on the product label.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.  
Product Registration: EPA Reg. # 64864-69 EPA Est. # 64864-WA-1

KEEP OUT OF THE REACH OF CHILDREN.

**CAUTION:**

If you do not understand this label, find someone to explain it to you in detail.

**PRECAUTIONARY STATEMENTS:**

Hazard to humans and domestic animals.

Caution. Harmful if absorbed through skin or if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear eye protection (such as goggles, safety glasses, or a face shield) when mixing and loading. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposing of equipment washwater or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARD:** Combustible. Do not use or store near heat or open flame. Do not store near or use with oxidizing agents.

**DIRECTIONS FOR USE** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**Application Restrictions:** Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Consult Agricultural Experiment Station or Extension Service pomology specialists for current recommended DPA use-solution concentrations for local apple varieties.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.



**CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed

**SARA 304 Emergency Release Notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

No

**SARA 311/312 Hazardous chemical**

Yes

**Classified Hazard**

Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation.  
Specific target organ toxicity (single or repeated exposure)

**Categories**

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Diphenylamine	122-39-4	17

**OTHER FEDERAL REGULATIONS**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**US STATE REGULATIONS**

**US - California Hazardous Substances (Director's):**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed

**US - Illinois Chemical Safety Act: Listed substance**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed

**US - Louisiana Spill Reporting: Listed substance**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed

**US - Minnesota Haz Subs: Listed substance**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed

**US - North Carolina Toxic Air Pollutants: Listed substance**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
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**US - Texas Effects Screening Levels: Listed substance**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed

**US. Massachusetts RTK - Substance List**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed

**US. New Jersey Worker and Community Right-to-Know Act**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed

**US. Pennsylvania Worker and Community Right-to-Know Law**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed

**US. Rhode Island RTK**

Acetic acid ethyl ester (CAS 141-78-6)	Listed
Acetic acid pentyl ester (CAS 628-63-7)	Listed
Diphenylamine (CAS 122-39-4)	Listed





**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including Aniline, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**US. California Proposition 65 – CRT: Listed date/ Carcinogenic substance:**

4-Aminobiphenyl (4-amino-diphenyl) (CAS# 92-67-1)	Listed: February 27, 1987
Aniline (CAS# 62-53-3)	Listed: January 1, 1990

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. OTHER INFORMATION**

**HMIS Ratings:**

Health – 2

Flammability – 2

Reactivity – 0

**NFPA Ratings:**



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**Changes since last** General review and update, all sections.

**Version:** 6

**revision:**

