

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: eFOG[®]-FDL K **EPA Reg# 64864-67**
Product Code: 10534
Product Use: Fungicide for Postharvest Kiwi Fruit Treatment by Thermal Fogging
Product
Restrictions: For Agriculture Use Only
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, Flammable liquid, Category 3
Acute Oral, Category 4
Acute Dermal, Category 4
Eye Damage / Irritation, Category 2A

Hazard Symbols:



Signal Word:
WARNING

Hazard Statements:

H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H319 Causes serious eye irritation.

Other Hazards:

Hazard(s) not otherwise classified (HNOC):
Supplemental information

Precautionary Statements:

Prevention Statements:

P210 Keep away from heat / hot surfaces / sparks / open flames / and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/Bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective clothing, chemical resistant gloves, and safety glasses. Fogging applicators must have access to a NIOSH-approved full-face respirator with organic vapor filter if needed.

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, CO₂ to extinguish, do not use water.
P301/312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330 Rinse mouth.
P302/352 IF ON SKIN: Wash with plenty of soap and water.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment see Section 4 First Aid Measures.
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.

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.

US: Exempt - EPA Reg. # 64864-67 EPA Est. # 64864-WA-1
This is a registered EPA product. The product labeling is in compliance with EPA regulations and guidelines.



3. COMPOSITION/INFORMATION ON INGREDIENTS

| Mixture | | |
|-------------------------------|-------------|-----------------------|
| Chemical name | CAS # | Concentration (w/w %) |
| Fludioxonil | 131341-86-1 | 8 |
| 1-Butanol, 2-methyl-, acetate | 624-41-9 | 1 – 5* |
| Amyl Acetate | 628-63-7 | 5 – 10* |
| Ethyl Acetate | 141-78-6 | 1 – 5 * |

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

| | |
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| General Advice: | 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. |
| If on Skin: | Take off contaminated clothing. Wash skin with plenty of soap and water. Call a poison control center or doctor for 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. |
| 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. Call a poison control center or doctor for treatment advice. |
| Most important Symptoms / effects, acute and Delayed: | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision |
| Indication of any immediate medical attention and special treatment needed: | Have the product container, label or Safety Data Sheet with you when calling a poison control center or physician, or going for treatment. |

5. FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media: | Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide. |
| Unsuitable Extinguishing Media: | Do not use water jet as an extinguisher, as this will spread the fire. |
| Special Hazards Arising from the Chemical: | 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. |
| Special protective equipment and precautions for firefighters: | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire-fighting equipment/instructions: | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| Specific methods: | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards: | Flammable liquid and vapor. |
| Hazardous combustion products: | May include and are not limited to: Oxides of carbon. Hydrogen fluoride. Oxides of nitrogen. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures: | 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 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. |
|---|---|



Methods and materials for containment and cleaning up: 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.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. HANDLING & STORAGE

Precautions for safe handling: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use non-sparking tools and explosion-proof equipment. Avoid contact with skin, eyes, or clothing. Do not eat, drink or smoke when using this product. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use good industrial hygiene practices in handling this material.

Conditions for safe storage, including any incompatibilities: Keep out of reach of children.
PESTICIDE STORAGE: Avoid storing below 40°F or above 79°F. Do not use or store near heat or open flames. In case of spill or leak, absorb liquid with sawdust or other absorbent material and incinerate or dispose of it in approved disposal area.

Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry, well-ventilated area away from direct sunlight. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

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

| Components | Type | Value |
|------------------------------|------|-----------------------------------|
| Amyl acetate (CAS 628-63-7) | PEL | 525 mg/m ³ 100 ppm |
| Ethyl acetate (CAS 141-78-6) | PEL | 1400 mg/m ³ 400 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|--|-------------|-------------------|
| 1-Butanol, 2-methyl-, acetate (CAS 624-41-9) | STEL TWA | 100 ppm 50 ppm |
| Amyl acetate (CAS 628-63-7) | STEL TWA | 100 ppm 50 ppm |
| Ethyl acetate (CAS 141-78-6) | TWA | 400 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|------------------------------|------|-----------------------------------|
| Amyl acetate (CAS 628-63-7) | TWA | 525 mg/m ³ 100 ppm |
| Ethyl acetate (CAS 141-78-6) | TWA | 1400 mg/m ³ 400 ppm |

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US ACGIH Threshold Limit Values: Skin designation

Benzene (CAS 71-43-2) Can be absorbed through the skin.

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 | Wear chemical goggles, safety glasses or face shield. |
| Skin protection | |
| Hand protection | Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber |
| Other | Handlers (including mixers, loaders, persons cleaning or setting up the fogging equipment, and persons handling treated fruit still wet with product) and fogging applicators must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber, or butyl rubber, shoes and socks, protective eyewear (such as goggles, safety glasses, or a face shield), except for fogging applicators. |
| Respiratory protection | Not normally required unless fogging. Fogging applicators must have access to a NIOSH-approved full-face respirator with organic vapor filter. |
| Thermal hazards | Not applicable. |
| General hygiene considerations | Follow manufacturer's instructions for cleaning/handling PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been fogged or heavily contaminated with the product's concentrate. Do not reuse them. 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. When using, do not eat, drink or smoke. |

9. PHYSICAL & CHEMICAL PROPERTIES

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|---|-----------------------------|---|--------------------------------------|
| Physical state: | Liquid | Upper/Lower flammability limits: | Not available |
| Appearance / Color: | Light brown | Vapor pressure: | Not available |
| Odor: | Ester-like | Vapor density: (air =1) | Not available |
| Odor threshold: | Not available | Specific Gravity: (H₂O = 1) | 1.015 |
| pH: | 4.0 – 6.0 | Solubility: | Dispersible |
| Melting/Freezing point: | Not available | Partition coefficient (n-octanol-water): | Not available |
| Pour Point: | Not available | Auto-ignition temperature: | Not available |
| Initial boiling point and boiling range: | Not available | Decomposition temperature: | Not available |
| Flash point: | 79°F(26°C)Closed cup method | Viscosity: | 27.2 mm ² /s (cSt) @ 20°C |
| Evaporation rate: | Not available | Explosive properties: | Not explosive |
| Flammability (solid, gas): | Not applicable | Oxidizing properties: | Not oxidizing |

10. STABILITY & REACTIVITY

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| Reactivity hazards: | This product may react with strong oxidizing agents. |
| Possibility of Hazardous Reactions: | No dangerous reaction known under conditions of normal use. |
| Chemical stability: | Material is stable under normal conditions. |
| Conditions to avoid: | Avoid heat, sparks, open flames and other ignition sources. Do not mix with other chemicals. |
| Incompatible materials: | Nitrates. |
| Hazardous decomposition products: | May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen fluoride. |

11. TOXICOLOGICAL INFORMATION

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| Routes of exposure | Eye, Skin contact, Inhalation, Ingestion. |
| Information on likely routes of exposure | |
| Ingestion | Harmful if swallowed. May cause stomach distress, nausea or vomiting. |
| Inhalation | Prolonged inhalation may be harmful. |
| Skin corrosion / irritation: | Harmful in contact with skin. |
| Eye damage / irritation: | Causes serious eye irritation. |
| Symptoms related to the | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, |



| | | |
|---|--|--|
| physical, chemical and toxicological characteristics | and blurred vision. | |
| Information on toxicological effects | | |
| Acute toxicity: | Harmful in contact with skin. Harmful if swallowed. | |
| Components | Species | Test Results |
| 1-Butanol, 2-methyl-, acetate (CAS 624-41-9) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Not available | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Not available | |
| Amyl Acetate (CAS 628-63-7) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Not available | |
| <i>Inhalation</i> | | |
| LC50 | Not available | |
| <i>Oral</i> | | |
| LD50 | Rabbit Rat | 7400 mg/kg, SAX 1600 mg/kg, NIOSH |
| Ethyl Acetate (CAS 141-78-6) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | Rabbit | >20000 mg/kg, ECHA >20000 mg/kg, 24 Hours, ECHA >18000 mg/kg, American Industrial Hygiene Association Journal. Vol. 23 |
| <i>Inhalation</i> | | |
| LC50 | Mouse Rabbit Rat | 1500 ppm, 4 Hours, HSDB 2500 ppm, 4 Hours, HSDB 16000 ppm, 6 Hours, HSDB 4000 ppm, 4 Hours, HSDB |
| LD50 | Mouse Rabbit Rat | 1500 ppm, 4 Hours 2500 ppm, 4 Hours 4000 ppm, 4 Hours |
| <i>Oral</i> | | |
| LD50 | Mouse Rabbit Rat | 0.4 g/kg, HSDB 4934 mg/kg, ECHA 4.9 g/kg, HSDB 4.9 g/kg, HSDB 11.3 ml/kg, ECHA 5.6 g/kg, HSDB |
| Fludioxonil (CAS 131341-86-1) | | |
| Acute | | |
| <i>Dermal</i> | | |
| LD50 | | >2000 mg/kg, Nufarm Limited |
| <i>Inhalation</i> | | |
| LC50 | | >2.6 mg/l/4h, Nufarm Limited |
| <i>Oral</i> | | |
| LD50 | | >5000 mg/kg, Nufarm Limited |
| Skin corrosion/irritation: | Prolonged skin contact may cause temporary irritation. | |
| Serious eye damage/eye Irritation: | Causes serious eye irritation. | |
| Respiratory sensitization: | Not a respiratory sensitizer. | |
| Skin sensitization: | | |
| | This product is not expected to cause skin sensitization. | |
| Germ cell mutagenicity: | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Carcinogenicity: | See below | |
| ACGIH Carcinogens | | |
| Benzene (CAS 71-43-2) | A1 Confirmed human carcinogen. | |



IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene (CAS 71-43-2) Volume 29, Supplement 7, Volume 100F 1 Carcinogenic to humans.

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

Benzene (CAS 71-43-2)

US NTP Report on Carcinogens: Known carcinogen

Benzene (CAS 71-43-2) Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Benzene (CAS 71-43-2) Cancer

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| Reproductive toxicity: | This product is not expected to cause reproductive or developmental effects. |
| Teratogenicity: | Not available. |
| Specific target organ toxicity - single exposure: | Not classified. |
| Specific target organ toxicity - repeated exposure: | Not classified. |
| Aspiration hazard: | Material does not present an aspiration hazard. |
| Chronic effects: | Prolonged inhalation may be harmful. |

12. ECOLOGICAL INFORMATION

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|------------------------------------|---|---|----------------------------------|
| Ecotoxicity | See below | | |
| Ecotoxicological data | Species | Test Results | |
| Components | | | |
| Amyl Acetate (CAS 628-63-7) | | | |
| Aquatic | | | |
| Fish | LC50 | Western mosquitofish (<i>Gambusia affinis</i>) | 65 mg/L, 96 hours |
| Ethyl Acetate (CAS 141-78-6) | | | |
| Crustacea | EC50 | Daphnia | 560 mg/L, 48 Hours |
| Aquatic | | | |
| Fish | LC50 | Indian catfish (<i>Heteropneustes fossilis</i>) | 200.32 – 225.42 mg/L, 96 hours |
| Fludioxonil (CAS 131341-86-1) | | | |
| Crustacea | EC50 | Daphnia | 0.9 ppm, 48 hr, Nufarm Limited |
| Fish | LC50 | Rainbow trout | 0.47 ppm, 96 hr, Nufarm Limited |
| Other | LC50 | Duck | >5200 ppm, 8 day, Nufarm Limited |
| | LC50 | Quail | >5200 ppm, Nufarm Limited |
| Aquatic | | | |
| Fish | LC50 | Bluegill (<i>Lepomis macrochirus</i>) | 0.74 ppm, 96 hr, Nufarm Limited |
| Persistence/ degradability: | No data is available on the degradability of this product. | | |
| Bioaccumulative potential | | | |
| Mobility in soil: | No data available. | | |
| Mobility in general: | Not available. | | |
| Other adverse effects: | 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

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| Disposal instructions: | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Local disposal Regulations: | Dispose in accordance with all applicable regulations. |
| Hazardous waste code: | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products: | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging: | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |



14. TRANSPORT INFORMATION

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| 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. |
| Technical name: | Acetic acid ethyl ester |
| Technical name: | Acetic acid pentyl ester |
| Hazard class(es): | 3 |
| Packing group: | III |
| Special Provisions: | B1, B52, IB3, T4, TP1, TP29 |
| Packaging exceptions: | 150 |
| Packaging Non Bulk: | 203 |
| Packaging Bulk: | 242 |

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

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

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.

EPA Reg. # 64864-67
EPA Est. # 64864-WA-1

PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Wear protective eyewear (glasses, goggles or face shield) Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet. Remove and wash contaminated clothing before reuse.

PHYSICAL OR CHEMICAL HAZARD:
Flammable. Keep away from heat or open flame.

ENVIRONMENTAL HAZARDS: 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.

DIRECTIONS FOR USE. 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. For any requirements specific to your State or local Tribe, consult the State or Tribal Agency responsible for pesticide regulation.

Resistance Management Recommendations:
For resistance management, eFOG[®]-80 FDL contains a Group 12 fungicide. Any fungal population may contain individuals naturally resistant to eFOG-80 FDL and other Group 12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides



are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of eFOG-80 FDL or other Group 12 fungicides with different groups that control the same pathogen.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such uses are permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialists or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Pace International LLC at 1-800-936-6750. You can also contact your pesticide distributor or university extension specialist to report resistance.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|--|---------|
| 1-Butanol, 2-methyl-, acetate (CAS 624-41-9) | Listed. |
| Amyl acetate (CAS 628-63-7) | Listed. |
| Benzene (CAS 71-43-2) | Listed. |
| Ethyl acetate (CAS 141-78-6) | Listed. |

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

| | |
|-----------------------|------------------------------|
| Benzene (CAS 71-43-2) | Cancer |
| | Central nervous system |
| | Blood |
| | Aspiration |
| | Skin |
| | Eye |
| | Respiratory tract irritation |
| | Flammability |
| | Immediate Hazard - Yes |
| | Delayed Hazard - No |
| | Fire Hazard - Yes |
| | Pressure Hazard - No |
| | Reactivity Hazard - No |
| | No |
| | No |
| | Not regulated. |

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

Hazard Categories

SARA 302 Extremely hazardous substance
SARA 311/312 Hazardous chemical
SARA 313 (TRI reporting)

**OTHER FEDERAL
REGULATIONS**

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

Benzene (CAS 71-43-2)

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): Listed substance

| | |
|------------------------------|---------|
| Amyl acetate (CAS 628-63-7) | Listed. |
| Benzene (CAS 71-43-2) | Listed. |
| Ethyl acetate (CAS 141-78-6) | Listed. |

US - Illinois Chemical Safety Act: Listed substance

1-Butanol, 2-methyl-, acetate (CAS 624-41-9)
Amyl acetate (CAS 628-63-7)
Benzene (CAS 71-43-2)
Ethyl acetate (CAS 141-78-6)

US - Louisiana Spill Reporting: Listed substance

| | |
|------------------------------|---------|
| Amyl acetate (CAS 628-63-7) | Listed. |
| Benzene (CAS 71-43-2) | Listed. |
| Ethyl acetate (CAS 141-78-6) | Listed. |



US - Michigan Critical Materials Register: Parameter number

Benzene (CAS 71-43-2)

US - Minnesota Haz Subs: Listed substance

Amyl acetate (CAS 628-63-7) Listed.

Benzene (CAS 71-43-2) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

US - New Jersey RTK - Substances: Listed substance

Amyl acetate (CAS 628-63-7)

Benzene (CAS 71-43-2)

Ethyl acetate (CAS 141-78-6)

US - North Carolina Toxic Air Pollutants:

Benzene (CAS 71-43-2)

Ethyl acetate (CAS 141-78-6)

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Benzene (CAS 71-43-2)

US - Texas Effects Screening Levels: Listed substance

1-Butanol, 2-methyl-, acetate (CAS 624-41-9) Listed.

Amyl acetate (CAS 628-63-7) Listed.

Benzene (CAS 71-43-2) Listed.

Ethyl acetate (CAS 141-78-6) Listed.

Fludioxonil (CAS 131341-86-1) Listed.

US - Washington Chemical of High Concern to Children: Listed substance

Benzene (CAS 71-43-2)

US. Massachusetts RTK - Substance List

Amyl acetate (CAS 628-63-7)

Benzene (CAS 71-43-2)

Ethyl acetate (CAS 141-78-6)

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

Benzene (CAS 71-43-2)

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

Amyl acetate (CAS 628-63-7)

Benzene (CAS 71-43-2)

Ethyl acetate (CAS 141-78-6)

US. Rhode Island RTK

Amyl acetate (CAS 628-63-7)

Benzene (CAS 71-43-2)

Ethyl acetate (CAS 141-78-6)

US. California Proposition 65



WARNING: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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

Benzene (CAS 71-43-2) Listed: February 27, 1987

US. California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997

US. California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene (CAS 71-43-2) Listed: December 26, 1997

Inventory status

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

*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:
NFPA Ratings:

Health – 2

Flammability – 3

Reactivity – 0



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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: September 12, 2019 **Replaces SDS dated:** August 13, 2018
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