

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: PacRite[®] Fungaflor 500EC **EPA Reg #** 43813-6-64864
Product Code: 10060
Product Use: An Emulsifiable Concentrate for Post-harvest Treatment of Citrus Fruits
Product For Agriculture Use Only
Restrictions:
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 (PROPHARMA/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:
 Acute Oral, Category 4
 Acute Inhalation, Category 4
 Eye irritation, Category 1
 Acute Aquatic Toxicity, Category 1
 Long Term Aquatic Toxicity, Category 1

Hazard Symbols:



Signal Word:
DANGER

Hazard Statements:
 H302 Harmful if swallowed.
 H332 Harmful if inhaled.
 H318 Causes serious eye damage.
 H410 Very toxic to aquatic life with long lasting effects.

Other Hazards:

Hazard(s) not otherwise classified (HNOC):

Precautionary Statements:
Prevention Statements:
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P261 Avoid breathing mist, vapour, or spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective clothing, shoes and socks, chemical resistant gloves, and safety glasses or face protection. Chemical resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.
 P273 Avoid release to the environment.
Response Statements:
 P301/312/ IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P330 Rinse mouth.
 P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor for medical advice if in eyes.
 P391 Collect spillage.
Disposal Statements:
 P501 Dispose of contents/container should be made in accordance with applicable regional, national and local laws and regulations.
 None
 The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 6.3%
 None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration (w/w %)
Imazalil	35554-44-0	≥30 % - <50 %
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	85536-14-7	≥5 % - ≤10 %
Other ingredients*		balance

*Other Ingredients not identified are trade secrets and non-hazardous.



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. You may also contact PROPHARMA (PROSAR) 1-888-271-4649 for emergency medical treatment information.
Advice:	
If on Skin:	Take off immediately all contaminated clothing. Wash skin with plenty of soap and water/shower. If redness, burning, rash or irritation persists, get medical advice/attention. Wash contaminated clothing before reuse.
If in Eyes:	Hold eye open and rinse cautiously with water for 15 – 20 minutes. Remove contact lenses, after the first 5 minutes if present and easy to do, then continue rinsing eye. Immediately call a POISON CENTER or doctor for medical advice.
If Swallowed:	Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. 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 Inhaled:	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible.
Most important Symptoms / effects, acute and Delayed:	Corrosive effects.
Indication of any immediate medical attention and special treatment needed:	There is no specific antidote available. Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use water mist, aqueous film forming foam, dry powder, carbon dioxide(CO ₂), sand, or foam for extinguishing fire. Water spray may be used to keep fire exposed containers cool.
Unsuitable Extinguishing Media:	Do not use Water spray jet to extinguish.
Special Hazards Arising from the Chemical:	Combustible material. Heating can release hazardous gases.
Special protective equipment and precautions for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.
Fire-fighting equipment/instructions:	Move containers from fire area if you can do so without risk.
Hazardous combustion products:	Hydrogen chloride gas and sulphuric acid.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency procedures:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. 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. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, (see section 8 of the SDS).
Environmental Precautions: Containment / Clean-Up Methods:	Do not allow product to enter sewers, lakes, streams or other bodies of water. Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Never return spills to original containers for re-use. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Do not allow product to enter sewers, lakes, streams or other bodies of water. For waste disposal, see section 13 of the SDS.



7. HANDLING & STORAGE

Precautions for Safe Handling:

Use good industrial hygiene practices in handling this material.
DO NOT get in eyes, on skin or clothing. Use only with adequate ventilation.
Do not breathe mist, vapor, or spray.
Wear appropriate personal protective equipment (see Section 8 of the SDS).
Wash thoroughly after handling.
Eating, drinking and smoking in work areas is prohibited.

Conditions for Safe Storage, including any Incompatibilities:

Remove contaminated clothing and protective equipment before entering eating areas.
Keep container tightly closed. Store in original container.
Store locked up. Store in a cool, dry, well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight. Store at room temperature.
To avoid thermal decomposition, do not overheat.
Keep away from fire, sparks, and heated surfaces.
Store away from incompatible materials (see Section 10 of the SDS).
Keep container upright to prevent leakage and release into environment.
Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Components	Type	Value	Basis
Imazalil CAS# 35554-44-0	TWA	0.125 mg/m ³	J&J OEL/PBOEL HHC
	PBOEL-HHC	1 B	J&J OEL/PBOEL HHC

Further information: J&J has a hazard banding notation: PBOEL HHC. This substance is classified by J&J as being PBOEL HHC 1B.

Hazardous Components without workplace control parameters:

Components	CAS#
Benzenesulfonic acid, 4-C10-12-sec-alkyl derivs.	85536-14-7

**Biological limit values
Exposure guidelines**

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

Wear chemical goggles or face shield. Eye fountain and washing facilities should be available.

**Skin protection
Hand protection**

Nitrile, butyl-rubber, neoprene, vinyl (PVC), and Viton(R) gloves or other impervious gloves. Impervious gloves: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

**Other
Respiratory protection**

Impervious clothing, shoes and socks. Closed work clothing. Engineering controls should always be the primary method of controlling exposures. Use only respiratory protection that conforms to international/national standards. If respirator is needed use a full face mask P2, wear a self-contained breathing apparatus in all circumstances when the mask and cartridge do not give adequate protection.

**Thermal hazards
General hygiene considerations**

Use good industrial hygiene practices in handling this material. When using do not eat, drink, or smoke. Wash thoroughly after handling.



9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid	Upper/Lower flammability limits:	Not available
Appearance / Color:	Clear, orange, red	Vapor pressure:	Not available
Odor:	Ether-like	Vapor density: (air =1)	Not available
Odor threshold:	Not available	Specific Gravity: (H₂O = 1)	1.1282 (20°C)
pH:	6.09	Solubility:	Not available
Melting/Freezing point:	Not available	Partition coefficient (n-octanol-water):	Not available
Pour Point	Not available	Auto-ignition temperature:	390°C
Initial boiling point and boiling range:	Not available	Decomposition temperature:	Not available
Flash point:	>100°C ISO 3679, CC, equilibrium	Viscosity:	432 – 566 mPa.s (20°C) 121 – 155 mPa.s (40°C)
Evaporation rate:	31.7	Explosive properties:	Not explosive
Flammability (solid, gas):	Not applicable	Oxidizing properties:	Not oxidizing

10. STABILITY & REACTIVITY

Reactivity hazards:	None reasonably foreseeable.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under recommended storage conditions
Conditions to avoid:	To avoid thermal decomposition, do not overheat. Avoid heat, flames and sparks.
Incompatible materials:	No data available.
Hazardous decomposition products:	Carbon monoxide, sulphur oxides, and chlorides

11. TOXICOLOGICAL INFORMATION

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion	No data available.
Inhalation	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics No data available.

Information on toxicological effects
Acute toxicity

Components	Species	Test Results
Product		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Inhalation</i>		
LC50		2.08 – 5.0 mg/l Exposure time: 4h Test atmosphere: dust/mist
<i>Oral</i>		
LD50	Rat, female	748.2 mg/kg
Components	Species	Test Results
Imazalil (CAS 35554-44-0)		
Acute		
<i>Dermal</i>		
LD50	Rabbit, male and female	> 2000 mg/kg Assessment: The component/mixture is minimally toxic after single contact with skin
<i>Inhalation</i>		
LC50	Rat	1.84 mg/l Exposure time: 4h Test atmosphere: dust/mist



<p><i>Oral</i> LD50</p>	<p>Rat, male</p> <p>Rat, female</p>	<p>343 mg/kg Assessment: The component/mixture is toxic after single ingestion.</p> <p>227 mg/kg Assessment: The component/mixture is toxic after single ingestion.</p>
<p>Components Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. (CAS 85536-14-7)</p> <p>Acute <i>Oral</i> LD50</p>	<p>Species Rat</p>	<p>Test Results 301 - 2,000 mg/kg Method: OECD Test Guideline 401</p>
<p>Skin corrosion/irritation: Product:</p> <p>Component: Imazalil Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.</p>	<p>Rat, exposure time 24 hr Results: No skin irritation Remarks: Not corrosive, slight irritation.</p> <p>Rabbit, Result: No skin irritation</p> <p>Rabbit, Result: Corrosive after 3 minutes to 1 hour exposure</p>	
<p>Serious eye damage/eye Irritation: Product:</p> <p>Component: Imazalil Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.</p>	<p>Result: Risk of serious damage to eyes. Assessment: Causes burns.</p> <p>Result: Corrosive to eyes.</p> <p>Rabbit, Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405</p>	
<p>Respiratory sensitization: Skin sensitization: Product:</p> <p>Component: Imazalil Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.</p>	<p>Result: Not a sensitizer. Test Type: Maximization Test</p> <p>Guinea pig, Result: Does not cause skin sensitization. Test Type: Buehler Test</p> <p>Guinea pig, Result: Does not cause skin sensitization. Test Type: Maximization Test Method: OECD Test Guideline 406</p>	
<p>Germ cell mutagenicity: Component: Imazalil</p> <p>Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.</p>	<p>Genotoxicity in vitro Test Type: Ames test. Species: Mutagenicity (Salmonella typhimurium – reverse mutation assay) Metabolic activation: with and without metabolic activation Result: Negative</p> <p>Genotoxicity in vitro Test Type: Ames test. Species: Mutagenicity (Salmonella typhimurium – reverse mutation assay) Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: Negative</p>	
<p>Carcinogenicity: IARC</p> <p>OSHA</p> <p>NTP</p> <p>Component: Imazalil</p>	<p>No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>No component of this product is present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.</p> <p>No component of this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</p> <p>No information available.</p>	
<p>Reproductive toxicity: Component: Imazalil</p>	<p>Teratogenicity – Assessment: No information available.</p>	



Target organ effects:	No known target organ effects.
Single Exposure	
Component:	
Imazalil	No data available.
Repeated Exposure	
Component:	
Imazalil	No data available.
Aspiration hazard:	No data available.
Chronic effects:	No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity See below

Ecotoxicological data

Components	Species	Test Results
Product		
Aquatic		
Fish	EC50	Rainbow trout (<i>Oncorhynchus mykiss</i>) 6.96 – 9.08 mg/l, 96 hours
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 9.13 mg/l, 24 hours 6.86 mg/l, 48 hours
Aquatic Plant	ErC50	Green algae (<i>Selenastrum capricornutum</i>) 2.09 mg/l, 72 hours

Components	Species	Test Results
Imazalil		
Aquatic		
Fish	LC50	Zebra fish (<i>Danio rerio</i>) 2.75 mg/l, 96 hours Rainbow trout (<i>Oncorhynchus mykiss</i>) 1.48 mg/l, 96 hours
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 3.5 mg/l, 48 hours
Aquatic Plant	EbC50	Green algae (<i>Selenastrum capricornutum</i>) 0.87 mg/l, 72 hours
Acute aquatic toxicity	M-Factor 1	
Chronic aquatic toxicity	M-Factor 1	
Terrestrial Organisms	LD50	Bees (<i>Apis mellifera</i>) 35,1 µg/bee Remarks: Oral 39 µg/bee Remarks: Contact toxicity Japanese quail (<i>Coturnix japonica</i>) 510 mg/kg (<i>Phasianus colchicus</i>) 2000 mg/kg

Ecotoxicology Assessment
Chronic aquatic toxicity

Very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.		
Aquatic		
Fish	LC50	Carp (<i>Cyprinus carpio</i>) 1.01-10 mg/l, 96 hours Test Type: semi-static test Method: OECD Test Guideline 203
Crustacea	EC50	Water flea (<i>Daphnia magna</i>) 1.01-10 mg/l, 48 hours Test Type: semi-static test Method: OECD Test Guideline 202
Aquatic Plant	EC50	Green algae (<i>Desmodesmus subspicatus</i>) 10-100 mg/l, 72 hours Test Type: semi-static test Method: OECD Test Guideline 201
Persistence/ degradability:	Product:	Not readily biodegradable.
Product	Not readily biodegradable.	
Component	Imazalil	No data available
	Impact on Sewage Treatment	Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).
Component	Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.	Readily biodegradable Aerobic Biodegradation: >70%, Exposure time:28d Method: OECD Test Guideline 301A
Bioaccumulative potential:		
Product		No data available
Component	Imazalil	Bioconcentration factor (BCF): 48.7-63.8
	Partition coefficient: n-octanol/water	Log Pow: 3.82 (23°C)
		Octanol/water pH 9.2



Mobility in soil:		
Product	Imazalil	In medium soil, immobile
Component		Distribution among environmental compartments: Absorption/Soil In medium soil, Koc: 2080-8150
Other adverse effects:		
Product	Results of PBT and vPvB assessment.	This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)
	Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA Section 602 Class 1 Substances Additional ecological information	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). No data available
Component		
Imazalil	Results of PBT and vPvB assessment.	This substance is not considered to be persistent, bioaccumulating and toxic (PBT)
	Additional ecological information	No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods: Pesticide waste are acutely hazardous. Improper disposal excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. 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.

Triple rinse container promptly after emptying. Triple rinse as follows. For containers <= 5 gallons in size. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For containers > 5 gallons in size. Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip 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.

14. TRANSPORT INFORMATION

UN number:	DOT UN 3082
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (imazalil)
Hazard class(es):	9
Packing group:	III
Labels	9
Emergency Response Guidebook Number:	171
Marine pollutant:	No
Remarks:	The DOT-classification is SDS Section 14 as Environmentally Hazardous – Class 9 is based on “DOT 49CFR APPENDIX B TO §172.101 4)” to ensure alignment with international transport regulations. However if the substance is not listed in the “DOT 49CFR §172.101 Appendix B – List of Marine pollutants” the substance is allowed to be shipped as non-hazardous for US Domestic Transportation purposes. 49CFR 171.4 – Marine Pollutant Exception: Except when transporting aboard a vessel, the requirements of this subchapter do not apply to non-bulk packagings transported by motor vehicles, rail cars, and aircraft. This substance can be shipped under ‘de minimi’s quantities’ provisions if the net quantity per inner package <=1mL for liquids or <= 1g for solids and the net quantity per outer package does not exceed 100mL for liquids or 100g



	for solids and provided packaging provisions of 49 CFR 173.4b are met.
UN/ID number:	IATA UN 3082
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (imazalil)
Hazard class(es):	9
Packing group:	III
Labels	9
Packing instruction (cargo aircraft)	964
Packing instruction (LQ)	Y964
Packing instruction (EQ)	E1
Packing instruction (passenger aircraft)	964
Packing instruction (LQ)	Y964
Remarks	Special Provision A197: Environmentally hazardous substances, classified under UN 3077 or UN 3082, when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of the IATA DGR provided the packagings meet the general provisions of IATA DGR 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8., This substance can be shipped under 'de minimi's quantities' provisions if the net quantity per inner package <= 1mL for liquids or <= 1g for solids and the net quantity per outer package does not exceed 100mL for liquids or 100g for solids and provided packaging provisions of IATA DGR §2.6.10 are met.
UN number:	IMDG UN 3082
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s. (imazalil)
Hazard class(es):	9
Packing group:	III
Labels	9
EmS Code	F-A, S-F
Marine pollutant:	YES
Remarks	2.10.2.7: Environmentally Hazardous Substances/Marine Pollutants, classified under UN 3077 or UN 3082, packaged in single or combination packagings containing a net quantity per single of inner packaging of 5L or less for liquids or having a net mass per single of inner packaging of 5kg or less for solids are not subject to the IMDG provided the packagings meet the general requirements of 4.1.1.1, 4.1.1.2, and 4.1.1.4 to 4.1.1.8., This substance can be shipped under 'de minimi's quantities' provisions if the net quantity per inner package <= 1mL for liquids or <= 1g for solids and the net quantity per outer package does not exceed 100mL for liquids or 100g for solids and provided packaging provisions of ADR/RID/ADN/IMDG §3.5.1.4 are met.
	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

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. Product Registration: EPA Reg. # 43813-6-64864 EPA Est. # 64864-WA-1
TSCA List:	No substances are subject to a Significant New Use Rule.
EPCRA – Emergency Planning and Community Right-to-Know Act	
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	The following components are subject to reporting levels established by SARA Title III, Section 313: Imazalil CAS# 35554-44-0 44.3%



Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(R) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate of Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 117.3.

US STATE REGULATIONS

Massachusetts No components are subject to the Massachusetts Right to Know Act.

Right to Know:

Pennsylvania Right to Know: Imazalil CAS# 35554-44-0 30-50%

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. CAS# 85536-14-7 5-10%

New Jersey Right to Know: Imazalil CAS# 35554-44-0 30-50%

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. CAS# 85536-14-7 5-10%

CA Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer.

Imazalil ----- Fungaflor technical

Other regulations: Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

The components of this product are reported in the following inventories:

REACH	Not in compliance with the inventory Imazalil Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.
DSL	This product contains the following components that are not on the Canadian DSL nor NDSL.
AICS	On the inventory, or in compliance with the inventory
NZIoC	On the inventory, or in compliance with the inventory
ENCS	Not in compliance with the inventory Imazalil Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.
ISHL	Not in compliance with the inventory Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs.
KECI	Not in compliance with the inventory Imazalil
PICCS	Not in compliance with the inventory Imazalil
IECSC	Not in compliance with the inventory Imazalil

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

- : Danger
- : Corrosive
- : Causes irreversible eye damage.
- : May be fatal if swallowed.
- : Harmful if absorbed through the skin.
- : Harmful if inhaled.
- : Do not get in eyes, or on clothing.
- : Avoid contact with skin.
- : Avoid breathing spray mist.



: Prolonged or frequently repeated skin contact may cause allergic reactions.

: Toxic to aquatic organisms.

Inventories:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

16. OTHER INFORMATION

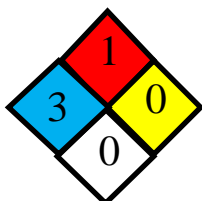
HMIS Ratings:

Health – 3

Flammability – 1

Reactivity – 0

NFPA Ratings:



The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, to the extent consistent with applicable law, Pace International, LLC and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, to the extent consistent with applicable law, neither Pace International, LLC nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. Except to the extent a particular use and particular information are expressly stated on the product label, it is the users' own 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: October 20, 2017 **Replaces SDS dated:** August 11, 2016

Changes since last revision: Several changes throughout all sections. **Version: 3**

