

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>National Food Safety Pesticide Mix F - 65 of 372 Analytes</b>	
<b>Other means of identification</b>		
<b>Item</b>	M-CHINAPESTFA1	
<b>Recommended use</b>	For Laboratory Use Only	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	Chem Service, Inc.	
<b>Address</b>	660 Tower Lane West Chester, PA 19380 United States	
<b>Telephone</b>	Toll Free	800-452-9994
	Direct	610-692-3026
<b>Website</b>	www.chemservice.com	
<b>E-mail</b>	info@chemservice.com	
<b>Emergency phone number</b>	Chemtrec US	800-424-9300
	Chemtrec outside US	+1 703-527-3887

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Acute toxicity, oral	Category 3
	Acute toxicity, dermal	Category 3
	Acute toxicity, inhalation	Category 3
	Serious eye damage/eye irritation	Category 2A
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Highly flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Causes serious eye irritation. Toxic if inhaled. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

<b>Response</b>	If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor. If eye irritation persists: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.
<b>Supplemental information</b>	99.35% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 99.35% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Acetonitrile		75-05-8	99.35
1-(Methylsulfonyl-4-trifluoromethyl phenyl)-2-cyano-3-cyclop		143701-75-1	0.01
Abamectin		71751-41-2	0.01
Ametryne		834-12-8	0.01
Atrazine		1912-24-9	0.01
Azoxystrobin		131860-33-8	0.01
Benzoximate		29104-30-1	0.01
Bitertanol		55179-31-2	0.01
Bromuconazole		116255-48-2	0.01
Butralin		33629-47-9	0.01
Carboxin		5234-68-4	0.01
Chlorantraniliprole		500008-45-7	0.01
Chlordimeform		6164-98-3	0.01
Chromafenozide		143807-66-3	0.01
Clothianidin		210880-92-5	0.01
Coumoxystrobin		850881-70-8	0.01
Cyantraniliprole	3-BROMO-1-(3-CHLOROPYRIDIN-2-YL)-N-[4-CYANO-2-METHYL-6-(METHYLCA RBAMOYL)PHENYL]-1H-PYRAZOL-5-CARBONAMIDE	736994-63-1	0.01
Cyflufenamid		180409-60-3	0.01
Cyprodinil		121552-61-2	0.01
Diclobutrazol		75736-33-3	0.01
Diethyl aminoethyl hexanoate		10369-83-2	0.01
Difenoconazole		119446-68-3	0.01
Diniconazole		83657-24-3	0.01
Emamectin benzoate		155569-91-8	0.01
Epoxiconazole		133855-98-8	0.01
Ethoxysulfuron		126801-58-9	0.01
Fenamistrobin		366815-39-6	0.01
Fenbuconazole		114369-43-6	0.01
Fenoxaprop ethyl		66441-23-4	0.01
Fenpropidin		67306-00-7	0.01
Fipronil		120068-37-3	0.01
Fipronil desulfinyl		205650-65-3	0.01

Chemical name	Common name and synonyms	CAS number	%
Fipronil sulfide		120067-83-6	0.01
Fipronil sulfone		120068-36-2	0.01
Fluoroglycofen-ethyl		77501-90-7	0.01
Fluthiacet-methyl		117337-19-6	0.01
Hexaconazole		79983-71-4	0.01
Imibenconazole		86598-92-7	0.01
Ipconazole	CYCLOPENTANOL, 2-[(4-CHLOROPHENYL)METHYL]-5-(1-M ETHYLETHYL)-1-(1H-1,2,4-TRIAZOL-1-Y LMETHYL)-	125225-28-7	0.01
Ivermectin		70288-86-7	0.01
Metamifop		256412-89-2	0.01
Metconazole		125116-23-6	0.01
Metrafenone		220899-03-6	0.01
Myclobutanil		88671-89-0	0.01
Nitenpyram		150824-47-8	0.01
Oxaziclomefone		153197-14-9	0.01
Paclobutrazol		76738-62-0	0.01
Penconazole		66246-88-6	0.01
Penflufen		494793-67-8	0.01
Probenazole		27605-76-1	0.01
Propiconazole		60207-90-1	0.01
Propyzamide		23950-58-5	0.01
Proquinazid		189278-12-4	0.01
Pyraclostrobin		175013-18-0	0.01
Pyrametostrobin		915410-70-7	0.01
Pyrazon		1698-60-8	0.01
Pyribenzoxim		168088-61-7	0.01
Pyrimorph		868390-90-3	0.01
Pyrisoxazole		847749-37-5	0.01
Saflufenacil		372137-35-4	0.01
Sedaxane		874967-67-6	0.01
Tebuconazole		107534-96-3	0.01
Tetraconazole		112281-77-3	0.01
Thiabendazole		148-79-8	0.01
Triticonazole		131983-72-7	0.01
Uniconazole		83657-22-1	0.01

#### 4. First-aid measures

##### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a poison center or doctor/physician.

##### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

##### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

##### Ingestion

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

<b>Most important symptoms/effects, acute and delayed</b>	Convulsions. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Take off immediately all contaminated clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Alcohol resistant foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific 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. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.
<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>	Highly 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. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. 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. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. 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. Wipe up with absorbent material (e.g. cloth, fleece). 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.
<b>Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

## 7. Handling and 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. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not taste or swallow. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

Components	Type	Value
Acetonitrile (CAS 75-05-8)	PEL	70 mg/m3 40 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acetonitrile (CAS 75-05-8)	TWA	20 ppm	
Atrazine (CAS 1912-24-9)	TWA	2 mg/m3	Inhalable fraction.

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

Components	Type	Value
Acetonitrile (CAS 75-05-8)	TWA	34 mg/m3 20 ppm
Atrazine (CAS 1912-24-9)	TWA	5 mg/m3

### Biological limit values

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

### Exposure guidelines

#### US - California OELs: Skin designation

Acetonitrile (CAS 75-05-8) Can be absorbed through the skin.

#### US - Minnesota Haz Subs: Skin designation applies

Acetonitrile (CAS 75-05-8) Skin designation applies.

#### US ACGIH Threshold Limit Values: Skin designation

Acetonitrile (CAS 75-05-8) Danger of cutaneous absorption

### Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation 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. Provide eyewash station and safety shower.

## Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Dust & vapor respirator.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Liquid.

**Color** Not available.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** -49 °F (-45 °C) estimated

**Initial boiling point and boiling range** 178.88 °F (81.6 °C) estimated

**Flash point** 42.0 °F (5.6 °C) estimated

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not applicable.

### Upper/lower flammability or explosive limits

**Explosive limit - lower (%)** 3 % estimated

**Explosive limit - upper (%)** 16 % estimated

**Vapor pressure** 118.4 hPa estimated

**Vapor density** Not available.

**Relative density** Not available.

### Solubility(ies)

**Solubility (water)** Not available.

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** 975.2 °F (524 °C) estimated

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Density** 0.78822 g/cm<sup>3</sup> estimated

**Explosive properties** Not explosive.

**Flammability class** Flammable IB estimated

**Oxidizing properties** Not oxidizing.

**Percent volatile** 99.35 % estimated

**Specific gravity** 0.79 estimated

**VOC** 99.35 % estimated

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Toxic if inhaled.
<b>Skin contact</b>	Toxic in contact with skin.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Toxic if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Convulsions. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Information on toxicological effects

**Acute toxicity** Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed.

Components	Species	Test Results
Abamectin (CAS 71751-41-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	10 mg/kg
Ametryne (CAS 834-12-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg, 24 Hours
<b>Inhalation</b>		
LC50	Rat	> 2200 mg/m3, 4 Hours
<b>Oral</b>		
LD50	Rat	829 - 1229 mg/kg
Atrazine (CAS 1912-24-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 3100 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 0.71 mg/l, 1 Hours
<b>Oral</b>		
LD50	Rat	1480 - 5100 mg/kg
Azoxystrobin (CAS 131860-33-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Bromuconazole (CAS 116255-48-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg

Components	Species	Test Results
<b>Inhalation</b>		
LC50	Rat	> 5 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	365 mg/kg
Butralin (CAS 33629-47-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	200 mg/kg
<b>Oral</b>		
LD50	Rat	1049 mg/kg
Carboxin (CAS 5234-68-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 4000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 4.7 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	2588 mg/kg
Chlorantraniliprole (CAS 500008-45-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 5000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5.1 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Chlordimeform (CAS 6164-98-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	640 mg/kg
<b>Oral</b>		
LD50	Rat	170 - 330 mg/kg
Clothianidin (CAS 210880-92-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	2000 mg/kg
Cyflufenamid (CAS 180409-60-3)		
<b>Inhalation</b>		
LC50	Rat	> 4.76 mg/l, 4 hours
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Cyprodinil (CAS 121552-61-2)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg



Components	Species	Test Results
<b>Inhalation</b>		
LC50	Rat	> 1200 mg/m <sup>3</sup> , 4 Hours
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
Epoiconazole (CAS 133855-98-8)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	-	5.3 mg/l, 4 Hours
Fenbuconazole (CAS 114369-43-6)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	2000 mg/kg
Fenoxaprop ethyl (CAS 66441-23-4)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	2357 mg/kg
Fipronil (CAS 120068-37-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	354 mg/kg
<b>Inhalation</b>		
LC50	Rat	0.36 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	92 mg/kg
Fluthiacet-methyl (CAS 117337-19-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5.048 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Hexaconazole (CAS 79983-71-4)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	-	5.9 mg/l, 4 Hours
Ipconazole (CAS 125225-28-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Oral</b>		
LD50	Rat	1338 mg/kg LGC
Myclobutanil (CAS 88671-89-0)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	-	5.1 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	1600 mg/kg

Components	Species	Test Results
Propiconazole (CAS 60207-90-1)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rat	> 4000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5800 mg/m3, 4 Hours
<b>Oral</b>		
LD50	Rat	1517 mg/kg
Propyzamide (CAS 23950-58-5)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Oral</b>		
LD50	Rat	5.6 g/kg
Pyraclostrobin (CAS 175013-18-0)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	0.31 - 1.07 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Pyrazon (CAS 1698-60-8)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	647 mg/kg
Sedaxane (CAS 874967-67-6)		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Tebuconazole (CAS 107534-96-3)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rat	> 5000 mg/kg
<b>Inhalation</b>		
LC50	Rat	0.82 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
Tetraconazole (CAS 112281-77-3)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	-	3.66 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	1030 mg/kg
Thiabendazole (CAS 148-79-8)		
<b><u>Acute</u></b>		
<b>Oral</b>		
LD50	Rat	2080 mg/kg

Components	Species	Test Results
Triticonazole (CAS 131983-72-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 2.63 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.	
<b>Respiratory or skin sensitization</b>		
<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>	Not classifiable as to carcinogenicity to humans.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Atrazine (CAS 1912-24-9)	3 Not classifiable as to carcinogenicity to humans.	
Chlordimeform (CAS 6164-98-3)	3 Not classifiable as to carcinogenicity to humans.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>		
Not listed.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Not listed.		
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	Not classified.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful.	

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Acetonitrile (CAS 75-05-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) > 100 mg/l, 96 hours
Ametryne (CAS 834-12-8)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea ( <i>Daphnia magna</i> ) 40 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> ) 3.2 mg/l, 96 hours
Atrazine (CAS 1912-24-9)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> ) >= 28.8 - <= 46.3 mg/l, 48 hours
Fish	LC50	Sheepshead minnow ( <i>Cyprinodon variegatus</i> ) >= 1.43 - <= 3.21 mg/l, 96 hours

Components	Species	Test Results
Chlordimeform (CAS 6164-98-3)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss) >= 8.1 - <= 21.3 mg/l, 96 hours
Cyflufenamid (CAS 180409-60-3)		
<b>Aquatic</b>		
Crustacea	LC50	Daphnia > 1.73 ppm, 48 hours
Fish	LC50	Fish > 1.14 ppm, 96 hours
Propiconazole (CAS 60207-90-1)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Brown trout (Salmo trutta) 1.2 mg/l, 96 hours 1.2 mg/l, 96 hours

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Acetonitrile	-0.34
Ametryne	2.98
Atrazine	2.61
Carboxin	2.3
Myclobutanil	2.94
Propiconazole	3.72
Propyzamide	3.43
Pyrazon	1.14
Thiabendazole	2.47

**Mobility in soil** No data available.

**Other adverse effects** The product contains volatile organic compounds which have a photochemical ozone creation potential.

**13. Disposal considerations**

**Disposal instructions** Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. If discarded, this product is considered a RCRA ignitable waste, D001. 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** D001: Waste Flammable material with a flash point <140 F  
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**

**DOT**

<b>UN number</b>	UN1648
<b>UN proper shipping name</b>	Acetonitrile, solution (Acetonitrile RQ = 5033 LBS), MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	II

**Environmental hazards**

<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IB2, T7, TP2
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	202
<b>Packaging bulk</b>	242

**IATA**

<b>UN number</b>	UN1648
<b>UN proper shipping name</b>	Acetonitrile solution (Acetonitrile)
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

<b>UN number</b>	UN1648
<b>UN proper shipping name</b>	ACETONITRILE SOLUTION (Acetonitrile), MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-E, S-D
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

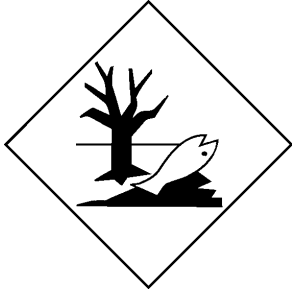
**DOT**



**IATA; IMDG**



## Marine pollutant



**General information** IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

## 15. Regulatory information

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

**Toxic Substances Control Act (TSCA)** One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

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

Not regulated.

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

Acetonitrile (CAS 75-05-8) Listed.

Propyzamide (CAS 23950-58-5) Listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

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

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
Acute toxicity (any route of exposure)  
Serious eye damage or eye irritation  
Hazard not otherwise classified (HNOC)

### SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Acetonitrile	75-05-8	99.35

### Other federal regulations

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

Acetonitrile (CAS 75-05-8)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

### US state regulations

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

Acetonitrile (CAS 75-05-8)

Propiconazole (CAS 60207-90-1)

### California Proposition 65



**WARNING:** This product can expose you to chemicals including Chlordimeform, which is known to the State of California to cause cancer, and Abamectin, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Chlordimeform (CAS 6164-98-3) Listed: January 1, 1989

Propyzamide (CAS 23950-58-5) Listed: May 1, 1996

Sedaxane (CAS 874967-67-6)

Listed: July 1, 2016

**California Proposition 65 - CRT: Listed date/Developmental toxin**

Abamectin (CAS 71751-41-2)

Listed: December 3, 2010

Atrazine (CAS 1912-24-9)

Listed: July 15, 2016

Fenoxaprop ethyl (CAS 66441-23-4)

Listed: March 26, 1999

Myclobutanil (CAS 88671-89-0)

Listed: April 16, 1999

**California Proposition 65 - CRT: Listed date/Female reproductive toxin**

Atrazine (CAS 1912-24-9)

Listed: July 15, 2016

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

Myclobutanil (CAS 88671-89-0)

Listed: April 16, 1999

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

Issue date	12-01-2022
Version #	01
NFPA ratings	Health: 3 Flammability: 3 Instability: 0

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