

SAFETY DATA SHEET

1. Identification

Product identifier	Oregon Pesticide Standard Mixture 1 for Cannabis Testing	
Other means of identification		
Item	M-ORPESTMIX1A1	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier/Distributor information		
Manufacturer		
Company name	Chem Service, Inc.	
Address	660 Tower Lane West Chester, PA 19380 United States	
Telephone	Toll Free	800-452-9994
	Direct	610-692-3026
Website	www.chemservice.com	
E-mail	info@chemservice.com	
Emergency phone number	Chemtrec US	800-424-9300
	Chemtrec outside US	+1 703-527-3887

2. Hazard(s) identification

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



Signal word	Danger
Hazard statement	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.
Precautionary statement	
Prevention	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. Wear protective gloves/eye protection/face protection.

Response	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.
Storage	Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	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.
Supplemental information	99.8% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 99.8% 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	99.8
Abamectin		71751-41-2	0.01
Acephate		30560-19-1	0.01
Acequinocyl		57960-19-7	0.01
Acetamiprid		135410-20-7	0.01
Aldicarb		116-06-3	0.01
Azoxystrobin		131860-33-8	0.01
beta-Cyfluthrin		68359-37-5	0.01
Bifenazate		149877-41-8	0.01
Bifenthrin		82657-04-3	0.01
Boscalid		188425-85-6	0.01
Carbaryl		63-25-2	0.01
Carbofuran		1563-66-2	0.01
Chlorantraniliprole		500008-45-7	0.01
Chlorfenapyr		122453-73-0	0.01
Chlorpyrifos		2921-88-2	0.01
Clofentezine		74115-24-5	0.01
Cypermethrin		52315-07-8	0.01
Daminozide		1596-84-5	0.01
Diazinon		333-41-5	0.01
Dichlorvos		62-73-7	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.
Most important symptoms/effects, acute and delayed	Convulsions. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed 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.

General information 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

Suitable extinguishing media Water fog. Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific 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. 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.

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 Highly flammable liquid and vapor.

6. Accidental release measures

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. 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.

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. 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.

Environmental precautions 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 original 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). Store in freezer (<0 °C).

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
Carbaryl (CAS 63-25-2)	PEL	5 mg/m3
Dichlorvos (CAS 62-73-7)	PEL	1 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acetonitrile (CAS 75-05-8)	TWA	20 ppm	
Carbaryl (CAS 63-25-2)	TWA	0.5 mg/m3	Inhalable fraction and vapor.
Carbofuran (CAS 1563-66-2)	TWA	0.1 mg/m3	Inhalable fraction and vapor.
Chlorpyrifos (CAS 2921-88-2)	TWA	0.1 mg/m3	Inhalable fraction and vapor.
Diazinon (CAS 333-41-5)	TWA	0.01 mg/m3	Inhalable fraction and vapor.
Dichlorvos (CAS 62-73-7)	TWA	0.1 mg/m3	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetonitrile (CAS 75-05-8)	TWA	34 mg/m3 20 ppm
Carbaryl (CAS 63-25-2)	TWA	5 mg/m3
Carbofuran (CAS 1563-66-2)	TWA	0.1 mg/m3
Chlorpyrifos (CAS 2921-88-2)	STEL	0.6 mg/m3
	TWA	0.2 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Diazinon (CAS 333-41-5)	TWA	0.1 mg/m3
Dichlorvos (CAS 62-73-7)	TWA	1 mg/m3

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Aldicarb (CAS 116-06-3)	TWA	0.01 mg/m3 0.001 ppm

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.
Chlorpyrifos (CAS 2921-88-2)	Can be absorbed through the skin.
Diazinon (CAS 333-41-5)	Can be absorbed through the skin.
Dichlorvos (CAS 62-73-7)	Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Acetonitrile (CAS 75-05-8)	Skin designation applies.
Chlorpyrifos (CAS 2921-88-2)	Skin designation applies.
Diazinon (CAS 333-41-5)	Skin designation applies.
Dichlorvos (CAS 62-73-7)	Skin designation applies.

US - Tennessee OELs: Skin designation

Chlorpyrifos (CAS 2921-88-2)	Can be absorbed through the skin.
Diazinon (CAS 333-41-5)	Can be absorbed through the skin.
Dichlorvos (CAS 62-73-7)	Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Acetonitrile (CAS 75-05-8)	Can be absorbed through the skin.
Carbaryl (CAS 63-25-2)	Can be absorbed through the skin.
Chlorpyrifos (CAS 2921-88-2)	Can be absorbed through the skin.
Diazinon (CAS 333-41-5)	Can be absorbed through the skin.
Dichlorvos (CAS 62-73-7)	Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Chlorpyrifos (CAS 2921-88-2)	Can be absorbed through the skin.
Diazinon (CAS 333-41-5)	Can be absorbed through the skin.
Dichlorvos (CAS 62-73-7)	Can be absorbed through the skin.

US WEEL Guides: Skin designation

Aldicarb (CAS 116-06-3)	Can be absorbed through the skin.
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US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Dichlorvos (CAS 62-73-7)	Can be absorbed through the skin.
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Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. 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. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

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.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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

Flammability limit - lower (%) 3 % estimated

Flammability limit - upper (%) 16 % estimated

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

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 0.7878 g/cm³ estimated

Explosive properties Not explosive.

Flammability class Flammable IB estimated

Oxidizing properties Not oxidizing.

Percent volatile 99.8 % estimated

Specific gravity 0.79 estimated

VOC 99.8 % 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.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Toxic if inhaled.
Skin contact	Toxic in contact with skin.
Eye contact	Causes serious eye irritation.
Ingestion	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
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Abamectin (CAS 71751-41-2)

Acute

Oral

LD50	Rat	10 mg/kg
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Acephate (CAS 30560-19-1)

Acute

Dermal

LD50	Rabbit	2000 mg/kg
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Oral

LD50	Rat	866 mg/kg
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Acequinocyl (CAS 57960-19-7)

Acute

Dermal

LD50	Rat	> 2000 mg/kg
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Acetamiprid (CAS 135410-20-7)

Acute

Dermal

LD50	Rat	> 2000 mg/kg
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Inhalation

LC50	Rat	> 0.29 mg/l, 4 Hours
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Aldicarb (CAS 116-06-3)

Acute

Dermal

LD50	Rat	2.5 mg/kg
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Oral

LD50	Rat	0.65 mg/kg
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beta-Cyfluthrin (CAS 68359-37-5)

Acute

Inhalation

LC50	Rat	0.1 mg/l, 4 Hours
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Carbaryl (CAS 63-25-2)

Acute

Dermal

LD50	Rabbit	2000 mg/kg
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Oral

LD50	Rat	230 mg/kg
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Components	Species	Test Results
Carbofuran (CAS 1563-66-2)		
Acute		
Inhalation		
LC50	Rat	0.08 mg/l, 1 Hours
Oral		
LD50	Rat	5 mg/kg
Chlorfenapyr (CAS 122453-73-0)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	441 mg/kg
Chlorpyrifos (CAS 2921-88-2)		
Acute		
Dermal		
LD50	Rat	202 mg/kg
Inhalation		
LC50	Rat	> 0.2 mg/l, 4 Hours
Oral		
LD50	Rat	82 mg/kg
Cypermethrin (CAS 52315-07-8)		
Acute		
Dermal		
LD50	Rat	1600 mg/kg
Inhalation		
LC50	Rat	2.5 mg/l, 4 Hours
Diazinon (CAS 333-41-5)		
Acute		
Oral		
LD50	Rat	66 mg/kg
Dichlorvos (CAS 62-73-7)		
Acute		
Inhalation		
LC50	Rat	0.015 mg/l, 4 Hours

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

ACGIH sensitization

DICHLORVOS (DDVP), INHALABLE FRACTION AND VAPOR (CAS 62-73-7) Dermal sensitization

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 Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Aldicarb (CAS 116-06-3) 3 Not classifiable as to carcinogenicity to humans.

Carbaryl (CAS 63-25-2) 3 Not classifiable as to carcinogenicity to humans.

Diazinon (CAS 333-41-5) 2A Probably carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

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

12. Ecological information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Acephate (CAS 30560-19-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	> 50 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	2.36 - 3 mg/l, 96 hours
Acetonitrile (CAS 75-05-8)			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours
Aldicarb (CAS 116-06-3)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia laevis)	0.045 - 0.059 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	0.05 mg/l, 96 hours
Carbaryl (CAS 63-25-2)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.0027 - 0.012 mg/l, 48 hours
Fish	LC50	Atlantic salmon (Salmo salar)	0.704 - 1.42 mg/l, 96 hours
Carbofuran (CAS 1563-66-2)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	0.002 mg/l, 48 hours
Fish	LC50	Striped bass (Morone saxatilis)	0.11 - 0.15 mg/l, 96 hours
Chlorpyrifos (CAS 2921-88-2)			
Aquatic			
Crustacea	EC50	Scud (Gammarus pulex)	0.0002 - 0.0005 mg/l, 48 hours
Fish	LC50	Tidewater silverside (Menidia peninsulae)	0.0007 - 0.0011 mg/l, 96 hours
Cypermethrin (CAS 52315-07-8)			
Aquatic			
Fish	LC50	Carp (Cyprinus carpio)	0.0006 - 0.0028 mg/l, 96 hours
Diazinon (CAS 333-41-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0.0007 - 0.0012 mg/l, 48 hours
Fish	LC50	Common eel (Anguilla anguilla)	0.066 - 0.102 mg/l, 96 hours 0.066 - 0.102 mg/l, 96 hours
Dichlorvos (CAS 62-73-7)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	0 - 0.0001 mg/l, 48 hours

Components	Species	Test Results
Fish	LC50	Cutthroat trout (<i>Oncorhynchus clarki</i>)
		0.141 - 0.321 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Acephate	-0.85
Acetonitrile	-0.34
Aldicarb	1.13
Azoxystrobin	2.5
beta-Cyfluthrin	5.94
Bifenazate	3.4
Bifenthrin	6
Carbaryl	2.36
Carbofuran	2.32
Chlorpyrifos	5.27
Cypermethrin	6.6
Diazinon	3.81
Dichlorvos	1.43

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 Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. 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.

US RCRA Hazardous Waste P List: Reference

Aldicarb (CAS 116-06-3)	P070
Carbofuran (CAS 1563-66-2)	P127

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	
UN number	UN1648
UN proper shipping name	Acetonitrile, solution (Acetonitrile RQ = 5010 LBS), MARINE POLLUTANT (Aldicarb, Carbaryl)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Environmental hazards	
Marine pollutant	Yes
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	IB2, T7, TP2
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242

IATA

UN number	UN1648
UN proper shipping name	Acetonitrile solution (Acetonitrile)

Transport hazard class(es)

Class 3
Subsidiary risk -
Packing group II
Environmental hazards Yes
ERG Code 3L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft Allowed with restrictions.
Cargo aircraft only Allowed with restrictions.

IMDG

UN number UN1648
UN proper shipping name ACETONITRILE SOLUTION (Acetonitrile), MARINE POLLUTANT
Transport hazard class(es)

Class 3
Subsidiary risk -
Packing group II
Environmental hazards
Marine pollutant Yes
EmS F-E, S-D

Special precautions for user 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.

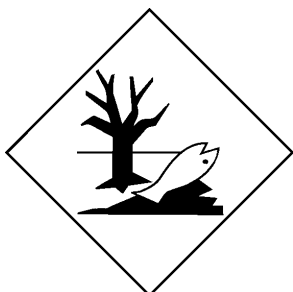
DOT



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.

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.
Aldicarb (CAS 116-06-3)	Listed.
Carbaryl (CAS 63-25-2)	Listed.
Carbofuran (CAS 1563-66-2)	Listed.
Chlorpyrifos (CAS 2921-88-2)	Listed.
Diazinon (CAS 333-41-5)	Listed.
Dichlorvos (CAS 62-73-7)	Listed.

SARA 304 Emergency release notification

Aldicarb (CAS 116-06-3)	1 LBS
Carbofuran (CAS 1563-66-2)	10 LBS
Dichlorvos (CAS 62-73-7)	10 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - Yes
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Chemical name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Aldicarb	116-06-3	1		100	10000
Carbofuran	1563-66-2	10		10	10000
Dichlorvos	62-73-7	10	1000		

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Acetonitrile	75-05-8	99.8

Other federal regulations

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

Acetonitrile (CAS 75-05-8)
Carbaryl (CAS 63-25-2)
Dichlorvos (CAS 62-73-7)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

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

Carbaryl (CAS 63-25-2) Listed: February 5, 2010
Daminozide (CAS 1596-84-5) Listed: January 1, 1990
Dichlorvos (CAS 62-73-7) Listed: January 1, 1989

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

Abamectin (CAS 71751-41-2) Listed: December 3, 2010
Carbaryl (CAS 63-25-2) Listed: August 7, 2009

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

Carbaryl (CAS 63-25-2) Listed: August 7, 2009

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

Acetonitrile (CAS 75-05-8)

Carbaryl (CAS 63-25-2)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	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
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 08-16-2017
Revision date 10-17-2019
Version # 03
NFPA ratings Health: 3
Flammability: 3
Instability: 0

Disclaimer

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded SDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

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Revision information

Handling and storage: Conditions for safe storage, including any incompatibilities