

1. Identification

Product identifier	FDA Pesticide Mixture GC 4	
Other means of identification		
Item	M-FDAPSTMXGC4B1	
Recommended use	For Laboratory Use Only	
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	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	

Label elements

Signal word	Danger
Hazard statement	Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness. 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 mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/eye protection/face protection.
Response	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 you feel unwell. If eye irritation persists: Get medical advice/attention. 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	%
Acetone		67-64-1	99.8
Bromopropylate		18181-80-1	0.01
Chlorpropham		101-21-3	0.01
Chlorthal-dimethyl		1861-32-1	0.01
Cycloate		1134-23-2	0.01
Ethiolate		2941-55-1	0.01
Etofenprox		80844-07-1	0.01
Fenamiphos		22224-92-6	0.01
Fenitrothion		122-14-5	0.01
Fenpropathrin		39515-41-8	0.01
Fenthion		55-38-9	0.01
Fipronil		120068-37-3	0.01
Fluopicolide		239110-15-7	0.01
Iprobenfos		26087-47-8	0.01
Phosalone		2310-17-0	0.01
Prothiophos		34643-46-4	0.01
Quinalphos		13593-03-8	0.01
S,S,S-Tributyl phosphorotrithioate		78-48-8	0.01
Tetradifon		116-29-0	0.01
Tri-allate		2303-17-5	0.01
Triphenyl phosphate		115-86-6	0.01

4. First-aid measures**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

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

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

May cause drowsiness and dizziness. Headache. 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 under observation. Symptoms may be delayed.

General information

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. 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 breathing mist or vapor. 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.

Environmental precautions Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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. When using do not smoke. 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. Avoid breathing mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. 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).

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
Acetone (CAS 67-64-1)	PEL	2400 mg/m3 1000 ppm
Triphenyl phosphate (CAS 115-86-6)	PEL	3 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acetone (CAS 67-64-1)	STEL TWA	500 ppm 250 ppm	
Fenamiphos (CAS 22224-92-6)	TWA	0.05 mg/m3	Inhalable fraction and vapor.
Fenthion (CAS 55-38-9)	TWA	0.05 mg/m3	Inhalable fraction and vapor.
Triphenyl phosphate (CAS 115-86-6)	TWA	3 mg/m3	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetone (CAS 67-64-1)	TWA	590 mg/m3 250 ppm
Fenamiphos (CAS 22224-92-6)	TWA	0.1 ppm
Triphenyl phosphate (CAS 115-86-6)	TWA	3 mg/m3

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Acetone (CAS 67-64-1)	25 mg/l	Acetone	Urine	*

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

Exposure guidelines**US - California OELs: Skin designation**

Fenamiphos (CAS 22224-92-6) Can be absorbed through the skin.
 Fenthion (CAS 55-38-9) Can be absorbed through the skin.
 Triphenyl phosphate (CAS 115-86-6) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Fenamiphos (CAS 22224-92-6) Skin designation applies.

US - Tennessee OELs: Skin designation

Fenamiphos (CAS 22224-92-6) Can be absorbed through the skin.
 Fenthion (CAS 55-38-9) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Fenamiphos (CAS 22224-92-6) Can be absorbed through the skin.
 Fenthion (CAS 55-38-9) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Fenamiphos (CAS 22224-92-6) Can be absorbed through the skin.

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 Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing.

Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke. 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 -138.46 °F (-94.7 °C) estimated

Initial boiling point and boiling range 132.89 °F (56.05 °C) estimated

Flash point -4.0 °F (-20.0 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 2.6 % estimated

Flammability limit - upper (%) 12.8 % estimated

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 309.3 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 869 °F (465 °C) estimated

Decomposition temperature Not available.

Viscosity Not available.

Other information

Density 0.79022 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	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

Components	Species	Test Results
Bromopropylate (CAS 18181-80-1)		
Acute		
Dermal		
LD50	Rat	> 4000 mg/kg
Oral		
LD50	Rat	5000 mg/kg
Chlorpropham (CAS 101-21-3)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Chlorthal-dimethyl (CAS 1861-32-1)		
Acute		
Inhalation		
LC50	Rat	> 5 mg/l
Cycloate (CAS 1134-23-2)		
Acute		
Dermal		
LD50	Rat	2467 mg/kg
Oral		
LD50	Rat	1678 mg/kg
Fenamiphos (CAS 22224-92-6)		
Acute		
Inhalation		
LC50	Rat	0.028 mg/l

Components	Species	Test Results
Oral LD50	Rat	2.7 mg/kg
Fenthion (CAS 55-38-9)		
Acute Dermal LD50	Rat	330 mg/kg
Oral LD50	Rat	190 mg/kg
Fipronil (CAS 120068-37-3)		
Acute Oral LD50	Rat	92 mg/kg
Phosalone (CAS 2310-17-0)		
Acute Oral LD50	Rat	85 mg/kg
S,S,S-Tributyl phosphorotrithioate (CAS 78-48-8)		
Acute Inhalation LC50	Rat	2.46 mg/l, 4 Hours
Oral LD50	Rat	150 mg/kg
Tetradifon (CAS 116-29-0)		
Acute Inhalation LC50	Rat	> 3 mg/l, 4 Hours
Oral LD50	Rat	5000 mg/kg
Tri-allate (CAS 2303-17-5)		
Acute Oral LD50	Rat	200 mg/kg
Triphenyl phosphate (CAS 115-86-6)		
Acute Oral LD50	Rat	3.8 g/kg

* 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

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

Chlorpropham (CAS 101-21-3) 3 Not classifiable as to carcinogenicity 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	May cause drowsiness and dizziness.
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 Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
Acetone (CAS 67-64-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10294 - 17704 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	4740 - 6330 mg/l, 96 hours
Chlorthal-dimethyl (CAS 1861-32-1)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	20 - 35 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	> 100 mg/l, 96 hours
Etofenprox (CAS 80844-07-1)			
Aquatic			
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	1.49 - 2.02 mg/l, 96 hours
Fenitrothion (CAS 122-14-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.003 - 0.005 mg/l, 48 hours
Fish	LC50	Atlantic salmon (Salmo salar)	0.7 - 1.3 mg/l, 96 hours
Fenpropathrin (CAS 39515-41-8)			
Aquatic			
Fish	LC50	Carp (Cyprinus carpio)	0.0024 - 0.0038 mg/l, 96 hours
Fenthion (CAS 55-38-9)			
Aquatic			
Crustacea	EC50	Water flea (Simocephalus serrulatus)	0.0004 - 0.0009 mg/l, 48 hours
Fish	LC50	Largemouth bass (Micropterus salmoides)	0.736 - 2.01 mg/l, 96 hours
Iprobenfos (CAS 26087-47-8)			
Aquatic			
Fish	LC50	Oriental weatherfish (Misgurnus anguillicaudatus)	11.11 - 16.38 mg/l, 96 hours
Phosalone (CAS 2310-17-0)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	0.07 - 0.14 mg/l, 96 hours
Prothiophos (CAS 34643-46-4)			
Aquatic			
Fish	LC50	Goldfish (Carassius auratus)	6 - 20 mg/l, 96 hours
Quinalphos (CAS 13593-03-8)			
Aquatic			
Fish	LC50	Channefish (Nuria danrica)	0.07 mg/l, 96 hours

Components	Species		Test Results
S,S,S-Tributyl phosphorotrithioate (CAS 78-48-8)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.0037 - 0.013 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.24 - 0.4 mg/l, 96 hours
Tetradifon (CAS 116-29-0)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	0.664 - 1.166 mg/l, 96 hours
Tri-allate (CAS 2303-17-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.06 - 0.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.44 - 0.87 mg/l, 96 hours
Triphenyl phosphate (CAS 115-86-6)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.86 - 1.2 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.31 - 0.41 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)

Acetone	-0.24
Chlorpropham	3.06
Chlorthal-dimethyl	4.4
Fenamiphos	3.23
Fenitrothion	3.3
Fenthion	4.091
Fipronil	4
S,S,S-Tributyl phosphorotrithioate	5.7
Tetradifon	4.72
Tri-allate	4.6
Triphenyl phosphate	4.59

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.

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	UN1090
UN proper shipping name	Acetone, solution (Acetone RQ = 5010 LBS), MARINE POLLUTANT (Fenamiphos, Quinalphos)

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, T4, TP1

Packaging exceptions 150

Packaging non bulk 202

Packaging bulk 242

IATA

UN number UN1090

UN proper shipping name Acetone solution (Acetone)

Transport hazard class(es)

Class 3

Subsidiary risk -

Packing group II

Environmental hazards Yes

ERG Code 3H

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 UN1090

UN proper shipping name ACETONE SOLUTION (Acetone), 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)

Acetone (CAS 67-64-1) Listed.
Tri-allate (CAS 2303-17-5) Listed.
Triphenyl phosphate (CAS 115-86-6) Listed.

SARA 304 Emergency release notification

Fenamiphos (CAS 22224-92-6) 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)
Fenamiphos	22224-92-6	10		10	10000

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

Triphenyl phosphate (CAS 115-86-6)

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

DEA Exempt Chemical Mixtures Code Number

Acetone (CAS 67-64-1) 6532

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Acetone (CAS 67-64-1) Low priority

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

S,S,S-Tributyl phosphorothioate (CAS 78-48-8) Listed: February 25, 2011

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

Cycloate (CAS 1134-23-2) Listed: March 19, 1999

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

Acetone (CAS 67-64-1)

Triphenyl phosphate (CAS 115-86-6)

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 02-26-2021
Revision date 03-01-2021
Version # 02
NFPA ratings Health: 2
Flammability: 3
Instability: 0

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