



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
OSHA HCS2012

Revision date 15-Jul-2021

Revision Number 1

1. Identification

Product identifier

Product Name pharmacopoeia Pesticides Mixture 353 40-100 µg/mL in Acetonitrile

Other means of identification

Product Code(s) DRE-A50000353AL

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Laboratory use

Restrictions on use No information available

Details of the supplier of the safety data sheet

Supplier Address

VHG
LGC Standards
276 Abby Road
Manchester, NH 03103
UNITED STATES OF AMERICA

Tel : +1 (603) 622-7660
Fax : +1 (603) 622-5180
Email : lgcusa@lgcgroup.com

Web : lgcstandards.com

E-mail sds-request@lgcgroup.com

Emergency telephone number

Emergency Telephone

For Hazardous Materials or Dangerous Goods Incident
Spill, Leak, Fire Exposure, or Accident
Call CHEMTREC:
USA & Canada 1-800-424-9300
Rest of the world +1 703-741-5970

2. Hazard(s) identification

Classification



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Classified according to OSHA.

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2A
Acute aquatic toxicity	Category 2
Chronic aquatic toxicity	Category 2
Flammable liquids	Category 2

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Danger

Hazard statements

Classified according to OSHA.
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes serious eye irritation
Toxic to aquatic life with long lasting effects
Highly flammable liquid and vapor



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection



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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Call a POISON CENTER or doctor if you feel unwell
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth
In case of fire: Use CO₂, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical nature

Also contains substances at levels not considered to be hazardous.

Chemical name	CAS No	Weight-%	Trade secret
Acetonitrile	75-05-8	80 - 100	*
Formic acid	64-18-6	0.1 - 1	*

4. First-aid measures

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep



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	eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Symptoms	May cause redness and tearing of the eyes. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. Fire-fighting measures

Suitable Extinguishing Media Large Fire	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol resistant foam. CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	Yes.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures



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Personal precautions

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Avoid breathing vapors or mists.

Other information

Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Please refer to the manufacturer's certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on the CoA. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep out of the reach of children. Store locked up.



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8. Exposure controls/personal protection

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Acetonitrile 75-05-8	TWA: 20 ppm S*	TWA: 40 ppm TWA: 70 mg/m ³ (vacated) TWA: 40 ppm (vacated) TWA: 70 mg/m ³ (vacated) STEL: 60 ppm (vacated) STEL: 105 mg/m ³ S* as CN	IDLH: 137 ppm TWA: 20 ppm TWA: 34 mg/m ³
Formic acid 64-18-6	STEL: 10 ppm TWA: 5 ppm	TWA: 5 ppm TWA: 9 mg/m ³ (vacated) TWA: 5 ppm (vacated) TWA: 9 mg/m ³	IDLH: 30 ppm TWA: 5 ppm TWA: 9 mg/m ³

Biological occupational exposure limits

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Wear safety glasses with side shields (or goggles). Tight sealing safety goggles.

Hand protection Wear protective butyl rubber gloves. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374. Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.



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General hygiene considerations

Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	colorless
Odor	Aromatic
Odor threshold	No information available

Property	Values	Remarks • Method
pH	No data available	None known
Melting point / freezing point	-45.7 °C / -50.3 °F	None known
Boiling point / boiling range	81.6 °C / 178.9 °F	None known
Flash point	2 °C / 35.6 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	17 Vol%	
Lower flammability or explosive limits	3 Vol% - 50 g/m ³	
Vapor pressure	94.51 - 98.64 hPa	@ 20°C
Relative vapor density	1.42	None known
Relative density	0.7857	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	-0.34	None known
Autoignition temperature	524 °C / 975.2 °F	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	0.35 mPa s	@ 25°C

Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available



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10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks. Excessive heat.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
Skin contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. May be absorbed through the skin in harmful amounts. Harmful in contact with skin. (based on components).
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	May cause redness and tearing of the eyes. Coughing and/ or wheezing.
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Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral) 501.80 mg/kg



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ATEmix (dermal) 1,103.90 mg/kg
ATEmix (inhalation-dust/mist) 1.51 mg/l

Unknown acute toxicity

0.002 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0.002 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0.002 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetonitrile 75-05-8	= 2460 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 26.8 mg/L (Rat) 4 h
Formic acid 64-18-6	= 1100 mg/kg (Rat)	-	= 15 g/m ³ (Rat) 15 min

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	May cause skin irritation.
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes serious eye irritation.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target organ effects	Liver, Kidney, Respiratory system, Central nervous system, Central Vascular System (CVS).
Aspiration hazard	No information available.
Other adverse effects	No information available.



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Interactive effects No information available.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Acetonitrile 75-05-8	-	LC50: 1600 - 1690mg/L (96h, Pimephales promelas) LC50: =1000mg/L (96h, Pimephales promelas) LC50: =1650mg/L (96h, Poecilia reticulata) LC50: =1850mg/L (96h, Lepomis macrochirus)	-	EC50: 3,600 mg/l (48h, daphnia)
Formic acid 64-18-6	EC50: =25mg/L (96h, Desmodesmus subspicatus) EC50: =26.9mg/L (72h, Desmodesmus subspicatus)	-	-	EC50: 138 - 165.6mg/L (48h, Daphnia magna) EC50: =120mg/L (48h, Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Acetonitrile 75-05-8	-0.34
Formic acid 64-18-6	-0.54

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods



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Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
US EPA Waste Number	U003 U060 U061 U123 U129 P004 P037 P050 P071 P089 P094 P109
California Hazardous Waste Status	This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. Transport information

DOT

UN number or ID number	UN1648
UN proper shipping name	Acetonitrile mixture (terbufos (ISO))
Transport hazard class(es)	3
Packing group	II
Reportable Quantity (RQ)	(Acetonitrile: RQ (kg)= 2270.00, DDT: RQ (kg)= 0.454, 4,4'-DDD: RQ (kg)= 0.454, 4,4'-DDE: RQ (kg)= 0.454, Lindane: RQ (kg)= 0.454, Dieldrin (ISO): RQ (kg)= 0.454, Beta Endosulfan: RQ (kg)= 0.454, Endosulfan sulfate: RQ (kg)= 0.454, Aldrin (ISO): RQ (kg)= 0.454, Beta-BHC/Beta-HCH: RQ (kg)= 0.454, Delta-HCH: RQ (kg)= 0.454, alpha-Endosulfan: RQ (kg)= 0.454) Acetonitrile: RQ (lb)= 5000.00, DDT: RQ (lb)= 1, 4,4'-DDD: RQ (lb)= 1, 4,4'-DDE: RQ (lb)= 1, Lindane: RQ (lb)= 1, Dieldrin (ISO): RQ (lb)= 1, Beta Endosulfan: RQ (lb)= 1, Endosulfan sulfate: RQ (lb)= 1, Aldrin (ISO): RQ (lb)= 1, Beta-BHC/Beta-HCH: RQ (lb)= 1, Delta-HCH: RQ (lb)= 1, alpha-Endosulfan: RQ (lb)= 1
DOT reportable quantity kg (calculated)	Acetonitrile: RQ (kg)= 2278.00, DDT: RQ (kg)= 4540.00, 4,4'-DDD: RQ (kg)= 4540.00, 4,4'-DDE: RQ (kg)= 4540.00, Lindane: RQ (kg)= 4540.00, Dieldrin (ISO): RQ (kg)= 4540.00, Beta Endosulfan: RQ (kg)= 4540.00, Endosulfan sulfate: RQ (kg)= 4540.00, Aldrin (ISO): RQ (kg)= 4540.00, Beta-BHC/Beta-HCH: RQ (kg)= 4540.00, Delta-HCH: RQ (kg)= 4540.00, alpha-Endosulfan: RQ (kg)= 4540.00
DOT Reportable Quantity lbs. (calculated)	Acetonitrile: RQ (lb)= 5018.00, DDT: RQ (lb)= 10000.00, 4,4'-DDD: RQ (lb)= 10000.00, 4,4'-DDE: RQ (lb)= 10000.00, Lindane: RQ (lb)= 10000.00, Dieldrin (ISO): RQ (lb)= 10000.00, Beta Endosulfan: RQ (lb)= 10000.00, Endosulfan sulfate: RQ (lb)= 10000.00, Aldrin (ISO): RQ (lb)= 10000.00, Beta-BHC/Beta-HCH: RQ (lb)= 10000.00, Delta-HCH: RQ (lb)= 10000.00, alpha-Endosulfan: RQ (lb)= 10000.00
Special Provisions	IB2, T7, TP2
DOT Marine Pollutant	P
Marine pollutant	terbufos (ISO)
Description	UN1648, Acetonitrile mixture, 3, II, Marine pollutant (terbufos (ISO))
Emergency Response Guide Number	127

TDG

UN number or ID number	UN1648
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UN proper shipping name Acetonitrile mixture
Transport hazard class(es) 3
Packing group II
Marine pollutant NP.
Description UN1648, Acetonitrile mixture, 3, II

MEX

UN number or ID number UN1648
UN proper shipping name Acetonitrile mixture
Transport hazard class(es) 3
Packing group II
Description UN1648, Acetonitrile mixture, 3, II

IATA

UN number or ID number UN1648
UN proper shipping name Acetonitrile mixture
Transport hazard class(es) 3
Packing group II
Description UN1648, Acetonitrile mixture, 3, II
ERG Code 3L

IMDG

UN number or ID number UN1648
UN proper shipping name Acetonitrile mixture
Transport hazard class(es) 3
Packing group II
EmS-No F-E, S-D
Marine pollutant P
Marine Pollutant terbufos (ISO)
Description UN1648, Acetonitrile mixture, 3, II, (2°C c.c.), Marine pollutant

15. Regulatory information

International Inventories

TSCA

Contact supplier for inventory compliance status.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Acetonitrile	75-05-8	Present	Active
Formic acid	64-18-6	Present	Active
DDT	50-29-3	Present	Active
Coumaphos (ISO)	56-72-4	-	Unknown *
Lindane	58-89-9	Present	Active
Dieldrin (ISO)	60-57-1	-	Unknown *



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2,4'-DDT	789-02-6	-	Unknown *
4,4'-DDD	72-54-8	-	Unknown *
4,4'-DDE	72-55-9	-	Unknown *
alpha-Endosulfan	959-98-8	-	Unknown *
Endosulfan sulfate	1031-07-8	-	Unknown *
o,p'-Dicofol	10606-46-9	-	Unknown *
Dicofol (ISO)	115-32-2	-	Unknown *
nitrofen (ISO)	1836-75-5	Present	Active
Isocarbofos	24353-61-5	-	Unknown *
Aldrin (ISO)	309-00-2	-	Unknown *
Alpha-BHC/Alpha-HCH	319-84-6	Present	Active
Beta-BHC/Beta-HCH	319-85-7	Present	Active
Delta-HCH	319-86-8	Present	Active
Beta Endosulfan	33213-65-9	-	Unknown *
Phospholan-methyl	5120-23-0	-	Unknown *
monocrotophos (ISO)	6923-22-4	-	Unknown *
parathion (ISO)	56-38-2	-	Unknown *
chlordimeform (ISO)	6164-98-3	-	Unknown *
Isofenphos-methyl	99675-03-3	-	Unknown *
Demeton	8065-48-3	-	Unknown *
sulfotep (ISO)	3689-24-5	-	Unknown *
Parathion-methyl (ISO)	298-00-0	-	Unknown *
Phorate (ISO)	298-02-2	-	Unknown *
Fipronil-desulfinyl	205650-65-3	-	Unknown *
Fenamiphos (ISO)	22224-92-6	-	Unknown *
Fipronil-sulfide	120067-83-6	-	Unknown *
Fipronil-sulfone	120068-36-2	-	Unknown *
Fipronil (ISO)	120068-37-3	-	Unknown *
terbufos (ISO)	13071-79-9	-	Unknown *
Ethoprophos (ISO)	13194-48-4	-	Unknown *

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDL
EINECS/ELINCS
ENCS
IECSC
KECL
PICCS
AICS

Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.
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Legend:



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TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Acetonitrile - 75-05-8	1.0
Formic acid - 64-18-6	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Acetonitrile 75-05-8	-	X	X	-
Formic acid 64-18-6	5000 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Acetonitrile 75-05-8	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Formic acid 64-18-6	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations



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California Proposition 65

This product contains the following Proposition 65 chemicals:.

Chemical name	California Proposition 65
nitrofen (ISO) - 1836-75-5	Carcinogen
Aldrin (ISO) - 309-00-2	Carcinogen
Alpha-BHC/Alpha-HCH - 319-84-6	Carcinogen
Beta-BHC/Beta-HCH - 319-85-7	Carcinogen
Delta-HCH - 319-86-8	Carcinogen
DDT - 50-29-3	Carcinogen Developmental Female Reproductive Male Reproductive
Lindane - 58-89-9	Carcinogen
Dieldrin (ISO) - 60-57-1	Carcinogen
4,4'-DDD - 72-54-8	Carcinogen
4,4'-DDE - 72-55-9	Carcinogen Developmental Male Reproductive
2,4'-DDT - 789-02-6	Developmental Female Reproductive Male Reproductive
chlordimeform (ISO) - 6164-98-3	Carcinogen
parathion (ISO) - 56-38-2	Carcinogen
Ethoprophos (ISO) - 13194-48-4	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Acetonitrile 75-05-8	X	X	X
Formic acid 64-18-6	X	X	X
DDT 50-29-3	X	X	X
Coumaphos (ISO) 56-72-4	X	X	X
Lindane 58-89-9	X	X	X
Dieldrin (ISO) 60-57-1	X	X	X
4,4'-DDD 72-54-8	X	X	X
4,4'-DDE 72-55-9	X	X	X
alpha-Endosulfan	X	X	X



SAFETY DATA SHEET

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**DRE-A50000353AL - pharmacopoeia Pesticides
Mixture 353 40-100 µg/mL in Acetonitrile**

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959-98-8			
Endosulfan sulfate 1031-07-8	X	X	X
Dicofol (ISO) 115-32-2	X	X	X
nitrofen (ISO) 1836-75-5	X	X	X
Aldrin (ISO) 309-00-2	X	X	X
Alpha-BHC/Alpha-HCH 319-84-6	X	X	X
Beta-BHC/Beta-HCH 319-85-7	X	X	X
Delta-HCH 319-86-8	X	X	X
Beta Endosulfan 33213-65-9	-	X	X
monocrotophos (ISO) 6923-22-4	X	X	X
parathion (ISO) 56-38-2	X	X	X
chlordimeform (ISO) 6164-98-3	-	X	-
Demeton 8065-48-3	X	X	X
sulfotep (ISO) 3689-24-5	X	X	X
Parathion-methyl (ISO) 298-00-0	X	X	X
Phorate (ISO) 298-02-2	X	X	X
Fenamiphos (ISO) 22224-92-6	X	X	X
terbufos (ISO) 13071-79-9	X	X	X
Ethoprophos (ISO) 13194-48-4	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information



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NFPA	Health hazards 3	Flammability 3	Instability 0	Special hazards -
HMIS	Health hazards 2	Flammability 3	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AELG(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 15-Jul-2021

Revision Note No information available.

Disclaimer

The information in this Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, we cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. We warrant that the chemical meets the specifications set forth on the label. We (LGC/VHG/ARMI) disclaim any other warranties, expressed or implied with regard to the product supplied hereunder, its merchantability or its fitness for a particular purpose. The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. Read all precautionary information.

End of Safety Data Sheet