SAFETY DATA SHEET
BESTOX® 100 g/L EC INSECTICIDE

SDS # : 6135-A
Revision date: 2019-04-12
Format: NA
Version 1.07

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name BESTOX® 100 g/L EC INSECTICIDE

Other means of identification

Product Code(s) 6135-A

Synonyms FMC 65318: A racemate comprising (S)-α-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl (1S,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate: [1α(S*),3α]-(±)-cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

Active Ingredient(s) Alpha-cypermethrin

Chemical Family Pyrethroid Pesticide

Alternate Commercial Name Alpha-cypermethrin; Bala™; Bestox 10 EC; Bestox 100 EC;Dominex®

Recommended use of the chemical and restrictions on use

Recommended Use: Insecticide

Restrictions on Use: Use as recommended by the label.

Supplier Address

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
(215) 299-6000 (General Information)
msdsinfo@fmc.com (E-Mail General Information)

Emergency telephone number

Medical Emergencies :
1 800 / 331-3148 (U.S.A. & Canada)
1 651 / 632-6793 (All Other Countries - Collect)

For leak, fire, spill or accident emergencies, call:
1 800 / 424-9300 (CHEMTREC - U.S.A.)
1 703 / 741-5970 (CHEMTREC - International)
1 703 / 527-3887 (CHEMTREC - Alternate)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4

Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger

Hazard Statements
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Physical Hazards
H226 - Flammable liquid and vapor

Precautionary Statements - Prevention
P202 - Do not handle until all safety precautions have been read and understood
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P284 - Wear respiratory protection
P280 - Wear eye protection/ face protection
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P235 - Keep cool
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
P320 - Specific treatment is urgent (see supplemental first aid instructions on this label)
P308 + P313 - If exposed or concerned: Get medical advice/attention
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P310 - Immediately call a POISON CENTER or doctor
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting
P330 - Rinse mouth

P370 + P378 - In case of fire: Use Carbon dioxide (CO2). Foam. Dry chemical. Water spray for extinction

Precautionary Statements - Storage
P405 - Store locked up
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
P501 - Dispose of contents/container according to label directions

Hazards not otherwise classified (HNOC)
No hazards not otherwise classified were identified.

Other Information
Very toxic to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Pyrethroid Pesticide.

Chemical name	CAS-No	Weight %
Naphtha (petroleum), heavy aromatic	64742-94-5	>80
Pseudocumene	95-63-6	20-30
Alpha-cypermethrin	67375-30-8	11
n-Butanol	71-36-3	1-5
Xylenes	1330-20-7	1-5
Cumene	98-82-8	0.1-1

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin Contact Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

Inhalation Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give chemical antidote. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed Central nervous system effects. Causes serious eye irritation.

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically. Contains petroleum distillate Vomiting may cause aspiration pneumonia This product is a pyrethroid If large amounts have been ingested, the stomach and intestines should be evacuated Digestible fats, oils, or alcohol may increase absorption and so should be avoided Contains petroleum distillate. Vomiting may cause aspiration pneumonia. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide (CO_2). Foam. Dry chemical. Water spray.

Specific Hazards Arising from the Chemical Flammable

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

Other For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.

Methods for Containment Dike to prevent runoff.

Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Storage Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.

Incompatible products None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH	Mexico
Pseudocumene (95-63-6)	-	-	TWA: 25 ppm TWA: 125 mg/m³	-
n-Butanol (71-36-3)	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m³	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m³	Mexico: TWA 20 ppm
Xylenes (1330-20-7)	STEL 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m³	-	Mexico: TWA 100 ppm Mexico: STEL 150 ppm
Cumene (98-82-8)	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m³ S*	IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m³	Mexico: TWA 50 ppm

Chemical name	British Columbia	Quebec	Ontario TWAEV	Alberta
n-Butanol (71-36-3)	TWA: 15 ppm Ceiling: 30 ppm	Ceiling: 50 ppm Ceiling: 152 mg/m³ Skin	TWA: 20 ppm	TWA: 20 ppm TWA: 60 mg/m³
Xylenes (1330-20-7)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m³ STEL: 150 ppm STEL: 651 mg/m³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m³ STEL: 150 ppm STEL: 651 mg/m³

Cumene (98-82-8)	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 246 mg/m³	TWA: 50 ppm	TWA: 50 ppm TWA: 246 mg/m³

Appropriate engineering controls

Engineering measures Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

Eye/Face Protection For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection Wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and headgear.

Hand Protection Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks.

Respiratory Protection For dust, splash, mist or spray exposures wear a elastomeric full-face or half mask respirator with appropriate cartridges and/or filters which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization).

Hygiene measures Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

General information If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Physical State	Liquid
Color	Light brown
Odor	Hydrocarbon-like
Odor threshold	No information available
pH	No information available
Melting point/freezing point	Not applicable
Boiling Point/Range	No information available
Flash point	40 °C / 104 °F Tag Closed Cup
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	911 g/L
Specific gravity	0.9110 @ 20°C
Water solubility	Emulsifies
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions

Chemical Stability Stable under recommended storage conditions.
Possibility of Hazardous Reactions None under normal processing.
Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks
Incompatible materials None known.
Hazardous Decomposition Products Carbon oxides (COx), Hydrogen chloride, Hydrogen cyanide.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral 942 mg/kg (rat)
LD50 Dermal > 2000 mg/kg (rabbit)
LC50 Inhalation 0.20 mg/L 4 hr (rat)

Serious eye damage/eye irritation Moderately irritating.
Skin corrosion/irritation Moderately irritating.
Sensitization Non-sensitizing

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Naphtha (petroleum), heavy aromatic (64742-94-5)	300-2000 mg/kg	> 2 mL/kg (Rabbit)	>5.2 mg/L
Pseudocumene (95-63-6)	3280 mg/kg (Rat)	3160 mg/kg (Rabbit)	18 g/m^3 (Rat) 4 h
n-Butanol (71-36-3)	= 700 mg/kg (Rat) = 790 mg/kg (Rat)	= 3400 mg/kg (Rabbit) = 3402 mg/kg (Rabbit)	> 8000 ppm (Rat) 4 h
Xylenes (1330-20-7)	3500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	11 mg/l (Rat) 4 h
Cumene (98-82-8)	1400 mg/kg (Rat)	3160 mg/kg (Rabbit)	> 17.6 mg/L (Rat) 4 h

Information on toxicological effects

Symptoms Large toxic doses administered to laboratory animals have produced symptoms such as loss of muscle control, tremors, convulsions, wheezing, lacrimation and labored respiration.

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

Chronic toxicity Alpha-cypermethrin: Long-term exposure caused neurotoxicity (body tremors, irregular gait, excessive salivation), decreased body weight gains and increased liver weights.
Mutagenicity Alpha-cypermethrin: Not genotoxic in laboratory studies.
Carcinogenicity Cypermethrin caused an increase in benign lung tumors in mice, but not in rats. EPA has classified cypermethrin as a possible human carcinogen based on this information, but does not regulate based on its low cancer risk.
Neurological effects Alpha-cypermethrin: Causes clinical signs of neurotoxicity (body tremors, irregular gait, excessive salivation) following acute, subchronic or chronic exposure.
Reproductive toxicity Alpha-cypermethrin: No toxicity to reproduction in animal studies.
Developmental toxicity Alpha-cypermethrin: Not teratogenic in animal studies.
STOT - single exposure May cause respiratory irritation.
STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure. See listed target organs below.
Target organ effects Central Nervous System
Neurological effects Alpha-cypermethrin: Causes clinical signs of neurotoxicity (body tremors, irregular gait, excessive salivation) following acute, subchronic or chronic exposure.
Aspiration hazard Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

Chemical name	ACGIH	IARC	NTP	OSHA
Xylenes 1330-20-7		Group 3		
Cumene 98-82-8		Group 2B	Reasonably Anticipated	X

Legend:

IARC (International Agency for Research on Cancer)
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not classifiable as to its carcinogenicity to humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity

Alpha-cypermethrin (67375-30-8)				
Active Ingredient(s)	Duration	Species	Value	Units
Alpha-cypermethrin	48 h EC50	Crustacea	0.0003	mg/L
	96 h LC50	Fish	0.0028	mg/L
	72 h EC50	Algae	0.1	mg/L
	21 d NOEC	Crustacea	0.03	µg/L
	21 d NOEC	Fish	0.03	µg/L

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Xylenes 1330-20-7		96 h LC50: 13.1 - 16.5 mg/L (Lepomis macrochirus) flow-through 96 h LC50: 13.5 - 17.3 mg/L (Oncorhynchus mykiss) 96 h LC50: 2.661 - 4.093 mg/L (Oncorhynchus mykiss) static 96 h LC50: 23.53 - 29.97 mg/L (Pimephales promelas) static 96 h LC50: 30.26 - 40.75 mg/L (Poecilia reticulata) static 96 h LC50: 7.711 - 9.591 mg/L (Lepomis macrochirus) static 96 h LC50: = 13.4 mg/L (Pimephales promelas) flow-through 96 h LC50: = 19 mg/L (Lepomis macrochirus) 96 h LC50: = 780 mg/L (Cyprinus carpio) semi-static 96 h LC50: > 780 mg/L (Cyprinus carpio)	48 h LC50: = 0.6 mg/L (Gammarus lacustris) 48 h EC50: = 3.82 mg/L (water flea)
Propylene glycol 57-55-6	96 h EC50: = 19000 mg/L (Pseudokirchneriella subcapitata)	96 h LC50: 41 - 47 mL/L (Oncorhynchus mykiss) static 96 h LC50: = 51400 mg/L (Pimephales promelas) static 96 h LC50: = 51600 mg/L (Oncorhynchus mykiss) static 96 h LC50: = 710 mg/L (Pimephales promelas)	48 h EC50: > 1000 mg/L (Daphnia magna) Static 24 h EC50: > 10000 mg/L (Daphnia magna)
Acetic Acid 64-19-7		96 h LC50: = 75 mg/L (Lepomis macrochirus) static 96 h LC50: = 79 mg/L (Pimephales promelas) static	24 h EC50: = 47 mg/L (Daphnia magna) 48 h EC50: = 65 mg/L (Daphnia magna) Static
Naphtha (petroleum), heavy aromatic 64742-94-5	72 h EC50: = 2.5 mg/L (Skeletonema costatum)	96 h LC50: = 1740 mg/L (Lepomis macrochirus) static 96 h LC50: = 19 mg/L (Pimephales promelas) static 96 h LC50: = 2.34 mg/L (Oncorhynchus mykiss) 96 h LC50: = 41 mg/L (Pimephales promelas) 96 h LC50: = 45 mg/L (Pimephales promelas) flow-through	48 h EC50: = 0.95 mg/L (Daphnia magna)
n-Butanol	72 h EC50: > 500 mg/L	96 h LC50: 100000 - 500000 µg/L	48 h EC50: 1897 - 2072 mg/L

71-36-3	(Desmodesmus subspicatus) 96 h EC50: > 500 mg/L (Desmodesmus subspicatus)	(Lepomis macrochirus) static 96 h LC50: 1730 - 1910 mg/L (Pimephales promelas) static 96 h LC50: = 1740 mg/L (Pimephales promelas) flow-through 96 h LC50: = 1910000 µg/L (Pimephales promelas) static	(Daphnia magna) Static 48 h EC50: = 1983 mg/L (Daphnia magna)
Pseudocumene 95-63-6		96 h LC50: 7.19 - 8.28 mg/L (Pimephales promelas) flow-through	48 h EC50: = 6.14 mg/L (Daphnia magna)
Cumene 98-82-8	72 h EC50: = 2.6 mg/L (Pseudokirchneriella subcapitata)	96 h LC50: 6.04 - 6.61 mg/L (Pimephales promelas) flow-through 96 h LC50: = 2.7 mg/L (Oncorhynchus mykiss) semi-static 96 h LC50: = 4.8 mg/L (Oncorhynchus mykiss) flow-through 96 h LC50: = 5.1 mg/L (Poecilia reticulata) semi-static	48 h EC50: 7.9 - 14.1 mg/L (Daphnia magna) Static 48 h EC50: = 0.6 mg/L (Daphnia magna)

Persistence and degradability Alpha-cypermethrin: Moderately persistent. Does not readily hydrolyze. Not readily biodegradable.

Bioaccumulation Alpha-cypermethrin: The substance has a potential for bioconcentration.

Mobility Alpha-cypermethrin: Immobile; Not expected to reach groundwater.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated Packaging Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. TRANSPORT INFORMATION

DOT

UN/ID no UN3351
Proper Shipping Name Pyrethroid pesticide, liquid, toxic, flammable
Hazard class 6.1
Subsidiary class 3
Packing Group II
Reportable Quantity (RQ) Xylene is in an "RQ" quantity when this material meets or exceeds 5747 pounds (718 gallons) per bulk package.
Description UN3351, Pyrethroid pesticide, liquid, toxic, flammable, 6.1, (3), PGII

TDG The "Marine Pollutant" marking is only applicable when shipped by vessel, and is not applicable when shipped only by road or rail in Canada.

UN/ID no UN3351
Proper Shipping Name Pyrethroid pesticide, liquid, toxic, flammable
Hazard class 6.1
Subsidiary class 3
Packing Group II
Marine Pollutant Alpha-cypermethrin.
Description UN3351, Pyrethroid pesticide, liquid [Naptha (petroleum), heavy aromatic, alpha-cypermethrin), toxic, flammable, 6.1, (3), PGII, Marine Pollutant

ICAO/IATA

UN/ID no	UN3351
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic, flammable
Hazard class	6.1
Subsidiary Hazard Class	3
Packing Group	II
Description	UN3351, Pyrethroid pesticide, liquid [Naptha (petroleum), heavy aromatic, alpha-cypermethrin), toxic, flammable, 6.1, (3), PGII

IMDG/IMO

UN/ID no	UN3351
Proper Shipping Name	Pyrethroid pesticide, liquid, toxic, flammable
Hazard class	6.1
Subsidiary Hazard Class	3
Packing Group	II
EmS No.	F-E, S-E
Marine Pollutant	Alpha-cypermethrin
Description	UN3351, Pyrethroid pesticide, liquid [Naptha (petroleum), heavy aromatic, alpha-cypermethrin], toxic, flammable, 6.1, (3), PGII (40 degrees C c.c.), Marine Pollutant

15. REGULATORY INFORMATION

U.S. 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	CAS-No	Weight %	SARA 313 - Threshold Values %
Pseudocumene - 95-63-6	95-63-6	20-30	1.0
n-Butanol - 71-36-3	71-36-3	1-5	1.0
Xylenes - 1330-20-7	1330-20-7	1-5	1.0
Cumene - 98-82-8	98-82-8	0.1-1	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

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
Xylenes 1330-20-7	100 lb			X
Acetic Acid 64-19-7	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
Xylenes 1330-20-7	100 lb 45.4 kg	
Acetic Acid	5000 lb	

64-19-7	2270 kg	
n-Butanol 71-36-3	5000 lb 2270 kg	
Cumene 98-82-8	5000 lb 2270 kg	

FIFRA Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

WARNING
May be fatal if swallowed or inhaled. Harmful if absorbed through skin. May cause minimal eyeand skin irritation.
This product is extremely toxic to fish and aquatic invertebrates

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Prop. 65
Cumene - 98-82-8	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Pseudocumene 95-63-6	X	X	X
n-Butanol 71-36-3	X	X	X
Xylenes 1330-20-7	X	X	X
Cumene 98-82-8	X	X	X

International Inventories

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Naphtha (petroleum), heavy aromatic 64742-94-5	X	X	X		X	X	X	X
Pseudocumene 95-63-6	X	X	X	X	X	X	X	X
Alpha-cypermethrin 67375-30-8					X	X	X	
n-Butanol 71-36-3	X	X	X	X	X	X	X	X
Xylenes 1330-20-7	X	X	X	X	X	X	X	X
Cumene 98-82-8	X	X	X	X	X	X	X	X

Mexico - Grade Moderate risk, Grade 2

Chemical name	Carcinogen Status	Mexico
n-Butanol		Mexico: TWA 20 ppm

Xylenes		Mexico: TWA 100 ppm Mexico: STEL 150 ppm
Cumene		Mexico: TWA 50 ppm

Chemical name	Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use -Threshold Quantities	Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities
Xylenes	1000 5000 kg/yr	1000 kg/yr
Cumene	1000 5000 kg/yr	1000 kg/yr

WHMIS Statement
This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

WHMIS Hazard Class

B3 - Combustible liquid
D1A - Very toxic materials
D2A - Very toxic materials
D2B - Toxic materials



16. OTHER INFORMATION

NFPA	**Health Hazards** 3	**Flammability** 2	**Instability** 0	**Special Hazards** -
HMIS	**Health Hazards** 3*	**Flammability** 2	**Physical hazard** 0	**Personal Protection** X

**Indicates a chronic health hazard.*

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision date: 2019-04-12
Reason for revision: SDS sections updated

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End of Safety Data Sheet