

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : COMITE®
 Other means of identification : EPA Reg. # 400-104

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Miticide
 Restrictions on use : Agriculture, For professional users only

1.3. Details of the supplier of the safety data sheet

MacDermid Agricultural Solutions, Inc.
 c/o Arysta LifeScience North America, LLC
 15401 Weston Parkway, Suite 150
 Cary, NC 27513 - USA
 T 1-866-761-9397

1.4. Emergency telephone number

Emergency number : Exposure calls (PROPHARMA): 1-866-303-6952 or +1-651-603-3432 (international)
 Spill calls (CHEMTREC) (Contract # CCN1779): 1-800-424-9300 or +1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 4	H227
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Corr. 1C	H314
Resp. Sens. 1	H334
Carc. 2	H351
Repr. 2	H361
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H227 - Combustible liquid
 H302+H332 - Harmful if swallowed or if inhaled
 H304 - May be fatal if swallowed and enters airways.
 H314 - Causes severe skin burns and eye damage.
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H351 - Suspected of causing cancer.
 H361 - Suspected of damaging fertility or the unborn child.
 H400 - Very toxic to aquatic life.
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) :

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
 P261 - Avoid breathing mist, spray, vapours.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product
 P271 - Use only outdoors or in a well-ventilated area.
 P273 - Avoid release to the environment.
 P280 - Wear face shield, eye protection, protective gloves, protective clothing.
 P284 - [In case of inadequate ventilation] wear In case of insufficient ventilation, wear suitable respiratory equipment.
 P301+P310 - If swallowed: Immediately call a poison center/doctor/...
 P301+P312 - If swallowed: Call a POISON CENTER, a doctor if you feel unwell
 P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
 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
 P304+P341 - If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 - If exposed or concerned: Get medical advice/attention.
 P310 - Immediately call a doctor
 P312 - Call a poison center/doctor/... if you feel unwell
 P321 - Specific treatment (see First aid measures on this label)
 P330 - Rinse mouth.
 P331 - Do NOT induce vomiting.
 P342+P311 - If experiencing respiratory symptoms: Call a doctor, a POISON CENTER
 P363 - Wash contaminated clothing before reuse.
 P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO₂), dry extinguishing powder to extinguish.
 P391 - Collect spillage.
 P403+P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

5.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
 5.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 5.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	% (w/w)	GHS-US classification
Propargite	(CAS-No.) 2312-35-8	73.6	Flam. Liq. 4, H227 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1C, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Distillates (petroleum), hydrotreated light	(CAS-No.) 64742-47-8	5 - 15	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-(4-tert-butylphenoxy)cyclohexan-1-ol	(CAS-No.) 1942-71-8	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Surfactant	(CAS-No.) trade secret	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411

Name	Product identifier	% (w/w)	GHS-US classification
1-Butanol	(CAS-No.) 71-36-3	0.5 - 1.5	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336 STOT SE 3, H335
4-tert-butylphenol	(CAS-No.) 98-54-4	0.1 - 0.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361 STOT SE 3, H335 Aquatic Chronic 2, H411

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. If not breathing, give artificial respiration.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child.
Symptoms/effects after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Risk of lung oedema. May cause respiratory irritation. Harmful if inhaled.
Symptoms/effects after skin contact	: Causes burns.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May be fatal if swallowed and enters airways. May damage lungs if swallowed and aspirated.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively. If possible show this sheet, if not available show packaging or label. Contains petroleum distillates. Never attempt to induce vomiting : risk of inhalation. Aspiration of the product into the lungs may cause very serious pneumonia. Probable mucosal damage may contraindicate the usage of gastric lavage.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Large fires: alcohol resistant foam. Small fires: Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Burning produces irritating, toxic and noxious fumes. Combustible liquid. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Reactivity	: No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions	: Keep upwind. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not get in eyes, on skin, or on clothing. Do not breathe aerosol. Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Do not touch spilled material. Do not ingest. If swallowed then seek immediate medical assistance. Do not handle until all safety precautions have been read and understood.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.
 Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.
 Emergency procedures : Ventilate area. Stop leak if safe to do so.

6.2. Environmental precautions

Do not discharge into drains or the environment. Prevent dispersion. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop the flow of material, if this is without risk.
 Methods for cleaning up : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Absorb and/or contain spill with inert material, then place in suitable container.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Keep away from ignition sources (including static discharges).
 Precautions for safe handling : Do not breathe vapours. Do not breathe aerosol. No open flames. No smoking. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT taste or swallow. Wear personal protective equipment.
 Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
 Storage conditions : Do not store near food, foodstuffs, drugs, or potable water supplies. Keep in fireproof place.
 Incompatible products : Oxidizer. Strong acids. Strong bases.
 Incompatible materials : Heat sources.
 Heat and ignition sources : Keep away from heat, sparks and flame.
 Prohibitions on mixed storage : Incompatible materials.
 Storage area : Store in a dry, cool area.

7.3. Specific end use(s)

Acaracide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

COMITE®	
ACGIH	Not applicable
OSHA	Not applicable
propargite (2312-35-8)	
ACGIH	Not applicable
OSHA	Not applicable

4-tert-butylphenol (98-54-4)		
ACGIH	Not applicable	
OSHA	Not applicable	
Distillates (petroleum), hydrotreated light (64742-47-8)		
ACGIH	Not applicable	
OSHA	Not applicable	
Surfactant (trade secret)		
ACGIH	Not applicable	
OSHA	Not applicable	
1-Butanol (71-36-3)		
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr
OSHA	OSHA PEL (TWA) (mg/m ³)	300 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
2-(4-tert-butylphenoxy)cyclohexan-1-ol (1942-71-8)		
ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Appropriate engineering controls

- Appropriate engineering controls : Use only outdoors or in a well-ventilated area. Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Prevent contaminated water run-off. Prevent leakage or spillage.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear suitable gloves resistant to chemical penetration. barrier laminate. Butyl rubber. Viton. Nitrile rubber

Eye protection:

Chemical goggles or safety glasses. Face shield

Skin and body protection:

Impervious clothing. Long sleeved protective clothing. Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. NIOSH. Approved respirator

Other information:

Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : brown
- Odour : characteristic
- Odour threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available

Boiling point	: No data available
Flash point	: 63 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Relative vapour density at 20 °C	: No data available
Density	: 1.063 g/cm ³
Solubility	: Emulsifiable in water.
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactions known.

10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks.

10.5. Incompatible materials

Oxidizer. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and noxious fumes. Carbon oxides (CO, CO₂). May release flammable gases.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Likely routes of exposure	: Inhalation. Skin and eye contact.
Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

COMITE®	
LD50 oral rat	600 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 1.125 mg/l/4h
ATE US (oral)	600 mg/kg bodyweight
ATE US (dust,mist)	3.143 mg/l/4h
Unknown acute toxicity (GHS US)	5.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 5.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 5.1% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
propargite (2312-35-8)	
LD50 oral rat	2948 mg/kg

propargite (2312-35-8)	
LD50 dermal rat	> 5000 mg/kg
LD50 dermal rabbit	> 4000 mg/kg
LC50 inhalation rat (mg/l)	2.48 mg/l/4h
ATE US (oral)	2948 mg/kg bodyweight
ATE US (vapours)	2.48 mg/l/4h
ATE US (dust,mist)	2.48 mg/l/4h

4-tert-butylphenol (98-54-4)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 16 g/kg
LC50 inhalation rat (mg/l)	5.6 mg/l/4h
ATE US (vapours)	5.6 mg/l/4h
ATE US (dust,mist)	5.6 mg/l/4h

Distillates (petroleum), hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

1-Butanol (71-36-3)	
ATE US (oral)	500 mg/kg bodyweight

2-(4-tert-butylphenoxy)cyclohexan-1-ol (1942-71-8)	
ATE US (oral)	500 mg/kg bodyweight
ATE US (gases)	4500 ppmv/4h
ATE US (vapours)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Serious eye damage, category 1, implicit
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. (No sensitizing reaction was observed for guinea pigs. Skin)
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified

4-tert-butylphenol (98-54-4)	
STOT-single exposure	May cause respiratory irritation.

Distillates (petroleum), hydrotreated light (64742-47-8)	
STOT-single exposure	May cause drowsiness or dizziness.

1-Butanol (71-36-3)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

2-(4-tert-butylphenoxy)cyclohexan-1-ol (1942-71-8)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child.
Symptoms/effects after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Risk of lung oedema. May cause respiratory irritation. Harmful if inhaled.
Symptoms/effects after skin contact	: Causes burns.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Harmful if swallowed. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May be fatal if swallowed and enters airways. May damage lungs if swallowed and aspirated.

SECTION 12: Ecological information**12.1. Toxicity**

Ecology - water : Very toxic to aquatic life with long lasting effects.

COMITE®	
LC50 fish 1	0.143 mg/l 96 h
LC50 other aquatic organisms 1	0.118 mg/l <i>Salmo gairdneri</i>
EC50 Daphnia 1	0.075 mg/l 48 h
propargite (2312-35-8)	
LC50 fish 1	0.043 mg/l 96 h <i>Oncorhynchus mykiss</i>
LC50 other aquatic organisms 1	> 1.08 mg/l
EC50 Daphnia 1	0.014 mg/l 48 h
LC50 fish 2	0.118 mg/l 96 h
LOEC (chronic)	0.011 mg/l 272 d <i>Pimephales promelas</i>
NOEC (acute)	0.04 mg/l 96 h
NOEC chronic fish	0.0057 mg/l 272 d <i>Pimephales promelas</i>
4-tert-butylphenol (98-54-4)	
LC50 fish 1	> 1 mg/l 96 h
EC50 Daphnia 1	4.8 mg/l 48 h
Distillates (petroleum), hydrotreated light (64742-47-8)	
LC50 fish 1	25 mg/l 96 h <i>Oncorhynchus mykiss</i>
EC50 Daphnia 1	1.4 mg/l 48 h

12.2. Persistence and degradability

COMITE®	
Persistence and degradability	May cause long-term adverse effects in the environment.
propargite (2312-35-8)	
Persistence and degradability	Not readily biodegradable.
4-tert-butylphenol (98-54-4)	
Biodegradation	60 % 28 d

12.3. Bioaccumulative potential

COMITE®	
Bioaccumulative potential	Not established.
propargite (2312-35-8)	
Log Pow	5.7
4-tert-butylphenol (98-54-4)	
Log Pow	3

12.4. Mobility in soil

COMITE®	
Ecology - soil	Not established.

12.5. Other adverse effects

Other information : No additional information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Sewage disposal recommendations : Do not dispose of waste into sewer.
 Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
 Additional information : Handle empty containers with care because residual vapours are flammable.
 Ecology - waste materials : Hazardous waste due to toxicity.

SECTION 14: Transport information**Department of Transportation (DOT)**

In accordance with DOT

Transport document description : UN1760 Corrosive liquids, n.o.s. (propargite), 8, III
 UN-No.(DOT) : UN1760
 Proper Shipping Name (DOT) : Corrosive liquids, n.o.s.
 propargite
 Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136
 Packing group (DOT) : III - Minor Danger
 Hazard labels (DOT) : 8 - Corrosive



Dangerous for the environment : Yes
 Marine pollutant : Yes



Other information : No supplementary information available.

Transport by sea**IMDG**

Transport hazard class(es) (IMDG) : 8



Marine pollutant : Yes
 UN-No. (IMDG) : 1760
 Transport document description (IMDG) : UN 1760 CORROSIVE LIQUID, N.O.S. (propargite), 8, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
 Class (IMDG) : 8 - Corrosive substances
 Packing group (IMDG) : III - substances presenting low danger
 EmS-No. (Fire) : F-A
 EmS-No. (Spillage) : S-B

Air transport**IATA**

Transport hazard class(es) (IATA) : 8



Marine pollutant : Yes
 UN-No. (IATA) : 1760
 Transport document description (IATA) : UN 1760 CORROSIVE LIQUID, N.O.S. (propargite), 8, III, ENVIRONMENTALLY HAZARDOUS
 Class (IATA) : 8 - Corrosives
 Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information**15.1. US Federal regulations**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

propargite	CAS-No. 2312-35-8
Prop-2-yn-1-ol	CAS-No. 107-19-7
1,2 - Propylene oxide	CAS-No. 75-56-9

propargite (2312-35-8)	
EPA TSCA Regulatory Flag	Exempt from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.
CERCLA RQ	10 lb


FIFRA Labelling	
EPA Registration Number	400-104
This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use..	
FIFRA Signal Word	Danger
FIFRA Human Health Hazards	Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
FIFRA First Aid	Do not get on eyes or clothing. Wear protective eyewear such as goggles, face shield or safety glasses. Wear coveralls over long sleeved shirt and long pants, chemical resistant footwear and socks, chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, viton, selection category C). Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.
FIFRA Environmental Hazards	This pesticide is toxic to fish and aquatic invertebrates and may cause reproductive effects in wildlife. Do not apply directly to water or areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water.
FIFRA Physical Hazard	Combustible. Do not use or store the product near heat or open flame.
FIFRA Other	FIFRA Restricted Use Pesticide: Due to eye and skin effects. For retail sale to and use by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

15.2. International regulations**CANADA**

No additional information available

4-tert-butylphenol (98-54-4)
Listed on the Canadian DSL (Domestic Substances List) inventory.
Surfactant (trade secret)
Listed on the Canadian DSL (Domestic Substances List) inventory.
1-Butanol (71-36-3)
Listed on the Canadian DSL (Domestic Substances List) inventory.
2-(4-tert-butylphenoxy)cyclohexan-1-ol (1942-71-8)
Listed on the Canadian NDSL (Non-Domestic Substances List)

15.3. US State regulations

 **WARNING:** This product can expose you to propargite, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
propargite(2312-35-8)	X	X				
1,2 - Propylene oxide(75-56-9)	X					
Ethylene oxide(75-21-8)	X	X	X	X	2 µg/day	20 µg/day

Component	State or local regulations
propargite(2312-35-8)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances; U.S. - Pennsylvania - RTK (Right to Know) List
1-Butanol(71-36-3)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Washington - Permissible Exposure Limits - Ceilings; U.S. - Washington - Permissible Exposure Limits - Skin Designations; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New York - Right to Know List of Hazardous Chemicals

SECTION 16: Other information

Data sources : ACGIH (American Conference of Government Industrial Hygienists). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. NIOSH Occupational Health Guide for chemical Substances - Vol. II, September, 1978. OSHA 29CFR 1910.1200 Hazard Communication Standard. TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Other information : None.

Full text of H-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. 4	Flammable liquids, Category 4
Repr. 2	Reproductive toxicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H227	Combustible liquid
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.

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Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

	ATE: Acute Toxicity Estimate
	CAS (Chemical Abstracts Service) number
	CLP: Classification, Labelling, Packaging.
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	OSHA: Occupational Safety & Health Administration
	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average

NFPA health hazard

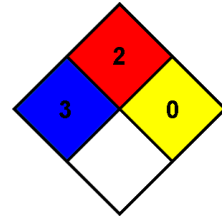
: 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product