



Safety Data Sheet

Preparation Date 12-Mar-2021

Revision date 05-Aug-2024

Revision Number: 4

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the product

Product Description Comite

Other means of identification

Internal SDS code 12A-0049B

UN/ID no UN1760

Registration number(s) 70506-566

Recommended use of the chemical and restrictions on use

Recommended use Insecticides.

Uses advised against Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet

Supplier Address

UPL NA Inc.

PO Box 12219

Research Triangle Park, NC 27709-12219

Emergency telephone number

Company Phone Number 1-800-438-6071

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 1
Respiratory sensitization	Category 1
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
FLAMMABLE LIQUIDS	

Label elements

EMERGENCY OVERVIEW

DANGER

Hazard Statements

HARMFUL IF SWALLOWED

Causes severe skin burns and eye damage

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

**Appearance** Clear**Physical state** Liquid**Odor** Slight sulfur**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Avoid release to the environment
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN: Wash with plenty of soap and water
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store in a closed container
 Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national regulations

Hazards Not Otherwise Classified (HNOC)**OTHER INFORMATION**

- Very toxic to aquatic life with long lasting effects

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Propargite	2312-35-8	73.6
Petroleum distillates, hydrotreated light	64742-47-8	5-15
2-(4-tert-butylphenoxy)cyclohexan-1-ol	1942-71-8	1-5
Butan-1-ol	71-36-3	0.5-1.5

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES**Eye contact**

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

Skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Call a poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Call a physician or poison control center immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician	Treat symptomatically.
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5. Fire-fighting measures**Suitable extinguishing media**

alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air.

Explosion data**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Remove all sources of ignition. Take precautionary measures against static discharges. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency. If required, notify relevant authorities according to all applicable regulations.
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Environmental Precautions

Environmental precautions	Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.
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Methods and material for containment and cleaning up

Methods for Clean-Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.
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7. Handling and Storage**Precautions for safe handling**

Handling	Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.
incompatible materials	Strong acids. Strong oxidizing agents. Strong bases.

8. Exposure Controls/Personal Protection**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL
Butan-1-ol	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m ³ (vacated) S* (vacated) Ceiling: 50 ppm (vacated) Ceiling: 150 mg/m ³

Engineering controls Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Personal protective equipment**Eye/Face Protection**

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. If splashes are likely to occur, wear: Face-shield.

Skin protection

Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant footwear plus socks.

Respiratory protection

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

General hygiene considerations

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear respiratory protection.

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance	Clear
Physical state	Liquid
Odor	Slight sulfur
color	brown

Property	VALUES	Remarks/ Method
pH		None known
Melting point/freezing point		None known
Boiling Point/Range		None known
Flash Point	63C / 145.4F	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Specific gravity	1.063 g/cm ³	None known
Bulk density		None known
Water solubility		None known
Solubility in Other Solvents	No information available	None known
Partition coefficient: n-octanol/water		None known

Autoignition temperature
Decomposition temperature
Viscosity

None known
None known
None known

9.2 OTHER INFORMATION- NONE

10. Stability and Reactivity

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Ignitions sources - heat, sparks and open flames. Protect from direct sunlight.

Incompatible materials

Strong acids. Strong oxidizing agents. Strong bases.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Thermal decomposition giving flammable and toxic products.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information

Comite
Acute oral LD50 = 600 mg/kg
Acute dermal LD50 = >5000 mg/kg
Acute inhalation LC50= >1.125 mg/L/4hr

Inhalation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Eye contact

Severely irritating to eyes.

Skin contact

Causes severe skin burns.

Ingestion

HARMFUL IF SWALLOWED.

Information on Toxicological Effects

Symptoms

No information available.

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

Sensitization

No information available.

Mutagenic effects

no data available.

Carcinogenicity

The information below indicates whether any agency has listed any ingredient as a carcinogen.

Reproductive effects

May damage fertility or the unborn child.

STOT - Single Exposure

no data available.

STOT - Repeated Exposure

no data available.

Aspiration hazard

No information available.

Numerical Measures of Toxicity - Product information

LD50 Oral 600 mg/kg (rat)
LD50 Dermal > 5000 mg/kg (rabbit)

12. Ecological Information

Yes - when shipped in bulk.

ecotoxicity

Propargite

FISH

Bluegill sunfish LC50 96 hr = 0.081 mg/L

Fathead minnow LC50 96 hr = 0.06 mg/L

DAPHNIA

Daphnia magna EC50 = 0.014 mg/L

AQUATIC INVERTEBRATES

Shrimp EC50 48 hr = 0.101 mg/L

ALGAE

Green ALgae IC50 96 hr = >1.08 mg/L

Persistence/Degradability

no data available.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical name	Log Pow
Propargite 2312-35-8	5.76 - 5.77
Butan-1-ol 71-36-3	0.88

Other Adverse Effects

no data available

13. Disposal Considerations

Waste Treatment Methods

Waste Disposal Method

Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging

Refer to product label.

Chemical name	Butan-1-ol
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14. Transport Information

DOT

UN/ID no UN1760
Proper shipping name Corrosive liquids, n.o.s. (Propargite)
Hazard class 8
Packing group PG III
Reportable Quantity (RQ): 10 lbs.
IMDG - Marine Pollutant Yes - when shipped in bulk.

IATA

UN/ID no	UN1760
Proper shipping name	Corrosive liquid, n.o.s (Propargite)
Packing group	PG III
Description	Marine pollutant

IMDG

UN/ID no	UN1760
Proper shipping name	Corrosive liquid, n.o.s. (Propargite)
Hazard class	8
Packing group	PG III
Environmental hazards	Marine pollutant

15. Regulatory 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:

signal word DANGER

Corrosive. Causes irreversible eye damage. Causes severe skin irritation/burns. Harmful if inhaled. Harmful if swallowed or absorbed through the skin. Prolonged or frequent repeated skin contact may cause allergic reaction in some individuals. Toxic to fish and aquatic invertebrates. May cause reproductive effects on wildlife. COMBUSTIBLE.

International Inventories

USINV	Not present
DSL/NDSL	Not present
EINECS/	Not Present
ELINCS	
ENCS	Not Present
China	Not Present
KECL	Not Present
PICCS	Not Present
AICS	Not Present
TSCA	Not Present

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 Commercial Chemical Substances/EU 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

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	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
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Propargite 2312-35-8	10 lb			X
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CERCLA

Chemical name	RQ	CERCLA EHS RQs	RQ
Propargite 2312-35-8	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ
Butan-1-ol 71-36-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

CERCLA

Component	RQ
Propargite 2312-35-8 (73.6)	10 lb
Butan-1-ol 71-36-3 (0.5-1.5)	5000 lb

RCRA

Component	RCRA - D Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Butan-1-ol 71-36-3 (0.5-1.5)			U031

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Propargite 2312-35-8 (73.6)			X	
Butan-1-ol 71-36-3 (0.5-1.5)			X	

State Regulations

Component		California Prop. 65	
Propargite 2312-35-8 (73.6)		Carcinogen Developmental	
Chemical name	CAS No	CATEGORY	
Propargite	2312-35-8	Carcinogen	

Prop 65 Pictogram**Prop 65 Warning Statement
California Proposition 65****WARNING**

This product can expose you to chemicals which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propargite - 2312-35-8	X	X	X		
Butan-1-ol - 71-36-3	X	X	X		

International regulations**U.S. EPA Label information**

EPA Pesticide registration number 70506-566

16. Other Information**NFPA**

HEALTH 3

flammability 2

Instability 0

Physical hazard -

Preparation Date

12-Mar-2021

Revision date 05-Aug-2024

Revision Summary

Update address

Disclaimer

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End of SDS