



Hangzhou Tianlong Biotechnology Co., Ltd.

Add: Room 1906, Fengqi Times Tower, No.338, Fengqi East Road, Hangzhou, Zhejiang, China.

MATERIAL SAFETY DATA SHEET

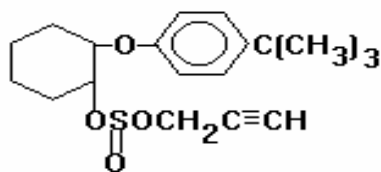
1. Chemical Product and company Identification

Product Name: Propargite

Molecular Formula: C₁₉H₂₆O₄S

Molecular Weight: 350.5

Structural Formula:



Chemical Name: 2-[4-(1,1-dimethylethyl)phenoxy]cyclohexyl 2-propynyl sulfite

Form: liquid

Color: amber

Odor: Faint solvent odor to very faint solvent odor.

CAS No.: 2312-35-8

Supplier: HANZHOU TIANLONG BIOTECHNOLOGY CO., LTD

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2. Composition / Information on Ingredients

Composition	CAS No.	Content %
Propargite	2312-35-8	90.00
Other ingredient		10.00

3. Hazards Identification

More important danger for the man: Contact with eyes can be corrosive. Prolonged and repeated contact with skin may cause and allergic reaction in some individuals. Inhalation may cause irritation to lungs, mucous membranes. Chronic inhalation may cause lung damage. Individuals with respiratory problems should avoid inhalation exposure. Results of tests in rats have shown propargite to be an experimental animal carcinogen.

Dangers for the environment:

Toxic to fish.

Physical-chemical dangers:

Not applicable

4. First Aid Measures

If in eyes: immediately flush eyes with plenty of water. See a physician.

If inhaled: remove person to fresh air. Apply artificial respiration if symptoms indicate. Call a physician.

If on skin: wash thoroughly with soap and water. Get medical attention.

If swallowed: do not induce vomiting. Drink promptly a large quantity of milk, egg whites or gelatin solution. If these are not available, drink large quantities of water. Avoid alcohol. Call a physician or poison center immediately.

5. Fire-Fighting Measures

Extinguishing media

To be used: water spray, dry chemical.

Don't use: not applicable

Particular risk: autoignition temperature at 326°C

Measures of personal protection: Chemical resistant gloves, protective clothing and eye protection should be worn when handling. Launder clothing before reuse. In the absence of adequate ventilation, use respiratory protection.

6. Accidental Release Measures

Personal cautions: Avoid all personal contact. Observe good personal hygiene.

Cleaning methods

EX: pick up for sweeping or aspiration avoiding the powder formation. Transfer to a properly labelled deposit that will be closed and sealed until the recovery or elimination of the product.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

7. Handling And Storage

Handling: wearing protective clothing when handling.

Storage: store in a dry location.

Technical protective measures: sufficient ventilation to minimize dust exposure. Protect closed dust handling systems against possible dust explosions. Avoid dust accumulations on building or equipment surfaces.

Fire and explosion protection: avoid breathing fumes, wear air-supplied breathing apparatus. Prevent run-off.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: approved respirator

Protective gloves: chemical resistant gloves

Eye protection: goggles

Industrial hygiene: use good industrial hygiene. Wear face shield or goggles, elbow length PVC gloves, cotton overalls buttoned to the neck and wrist, washable hat and half face respirator with dust and vapour cartridge. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. Physical And Chemical Properties

Appearance: Dark amber and viscous liquid.

Melting point: not determined

Density: 1.13

Vapor pressure : 0.006mPa(25°C)

Water solubility: 4% in water at 20°C

Other solubility: soluble

Ph value: ≤0.3 (acidity as H₂SO₄)

Flash point: 28°C

Ignition temperature: 326°C

10. Stability And Reactivity

Conditions to avoid: heat and humidity

Products to avoid: strong acids and alkalis pesticides

Thermal decomposition: not applicable

Hazardous decomposition products: oxides of sulfur under burning conditions.

Hazardous reaction: not applicable

11. Toxicological Information

Acute of toxicity:

Acute oral (rat) LD₅₀: 2200mg/kg

Acute oral (mice) LD₅₀: 920mg/kg

Acute dermal (rabbit) LD₅₀: 3476mg/kg

Acute inhalation (rat) LC₅₀: 2.5mg/l

Contact with the skin: skin become red

Contact with the eyes: corrosive

Inhalation: irritative to lungs and mucous membranes.

Ingestion: not applicable

Sharp toxicity: not applicable

Effects for chronic exhibition: chronic inhalation may cause lung damage.

Sensitisation: no sensitive

Teratogenic: No effects.

Mutagenic: No effects.

Carcinogenic: No effects.

12. Ecological Information

Effect on birds: slight toxic to bird. Mallard duck: >4640ppm

Effects on aquatic organisms:

Bluegill sunfish: 96hr LC50 0.168 ppm
Rainbow trout: 48hr LC50 0.118 ppm
Water flea: 48hr LC50 0.092 ppm
Catfish 96 hr. LC50 0.04 ppm
Daphnia magna: 48 hr. LC50 0.092 ppm

Bobwhite quail: 8 day LC50 3401 ppm
It is low toxic to bees.

13. Disposal Considerations

Product: pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use 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.

14. Transport Information

Class: 9

UN No.: 2810

Packing group: III

15. Regulatory Information

Safety Phrases: Keep out of reach of children

Keep away from food, drink and animal feeding stuff

Do not breathe dust.

Avoid contact with skin and eyes

Wear suitable protective clothing and gloves.

This material and its container must be disposed of as hazardous waste

16. Other Information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.