

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: **PROPARGITE 57% EC**
Use / description of product: Use as an agricultural/horticultural acaricide
Company name: INDOFIL INDUSTRIES LIMITED
Kalpataru Square, 4th Floor, Kondivita Road,
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2. HAZARDS IDENTIFICATION

GHS Classification

Hazard Symbol



Signal word:
Hazard statement(s):

DANGER

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H410 Very toxic to aquatic life with long lasting effects.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/spray.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P284 Wear respiratory protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Propargite)	2312-35-8	57
Inert ingredients	-----	QS

4. FIRST AID MEASURES

Most Important symptoms and effects, both acute and delayed

Skin contact

There may be mild irritation at the site of contact

Eye contact

There may be irritation and redness. The vision may become blurred

Ingestion

There may be soreness and redness of the mouth and throat

Description of first aid measures

In general

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

After Ingestion

Do not induce vomiting. Provided the patient is conscious, wash mouth with water and give plenty of water to drink. Consult a physician. The decision of whether to induce vomiting or not should be made by a physician.

After eye contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

After skin contact

Immediately wash skin with soap and plenty of water. Consult a physician if irritation develops.

After Inhalation

Remove victim to fresh air. Consult a physician if irritation develops

Indication of any immediate medical attention and special treatment needed

Supportive care. No specific antidote. Treat symptomatically and give supportive therapy.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water spray. Carbon dioxide. Dry chemical powder.

Exposure hazards:

May form flammable / explosive mixture.

Protection of fire-fighters:

Do not enter fire areas without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Eliminate all sources of ignition. Use appropriate protection.

Environmental precautions:

Dispose of this material and its container at hazardous or special waste collection point if the product has contaminated surface water, inform the appropriate authorities.

Clean-up procedures:

Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean up spills as soon as possible, using an absorbent material to collect it.

7. HANDLING AND STORAGE

Handling requirements:	Avoid ingestion, skin and eye contact. Prevent entry to sewers and public waters. When using, do not eat, drink or smoke.
Storage conditions:	Store in tightly closed, well ventilated area away from heat, sparks, open flame. Keep in original containers. Keep out of reach of children. Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as an insecticide.
Suitable packaging:	Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
Respiratory protection:	Wear approved respirator.
Hand protection:	Wear protective gloves Requirements can vary as a function of the use. Therefore, it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.
Eye protection:	Safety goggles or face shields.
Skin protection:	Mixers and loaders must wear overalls, protective goggles and chemical-resistant apron. Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Liquid
Colour:	Dark Brown
Odour:	Not available
Solubility in water:	Forms emulsion in water
pH:	4.5 To 7.2

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Direct sunlight, sources of heat, open flame. Decomposes upon heating.
Hazardous decomp. products:	Thermal decomposition may generate: Carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	PROPARGITE
<u>Acute toxicity (Assessment largely or completely based on data for active substance)</u>	
Acute Oral LD ₅₀ (Rat)	2800 mg/kg

Acute Dermal LD ₅₀ (Rabbits)	4000 mg/kg
Acute Inhalation LD ₅₀	0.05 (4 h) mg/l _s
EYE Irritation (Rabbit)	an irritant
SKIN Irritation (Rabbit)	an irritant
Skin Sensitization (Guinea Pig)	not Sensitizer

12. ECOLOGICAL INFORMATION

Ecotoxicity: (Assessment largely or completely based on data for active substance)

Aquatic toxicity: Material is very toxic to aquatic organisms.

Fish

LC₅₀ (96 h,) Rainbow Trout 0.043 mg/l, Bluegill sunfish 0.081 mg/L

Daphnia EC₅₀ (48 hr) EC₅₀ 0.014 mg/L

Bird

Acute Oral, LD₅₀ (9-11 d) Mallard ducks > 4640 mg/kg

Honey Bee

LD₅₀ (oral) > 100 µg/bee;

LD₅₀ (contact) 47.92 µg/bee.

Earthworm

LC₅₀ (14 d) 378 mg/kg dry soil.

Environmental Fate

Animals: No data

Plants: No data

Soil / Environment: No data

13. DISPOSAL CONSIDERATIONS

Disposal operations: Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

U.S> Department of Transportation (DOT)

Bulk

UN no: 1307

Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.
(Propargite 57% EC)

Hazard Class: 3

Packing group: III

Land Transport (ADR / RID)

UN no: 1307

Shipping name: Environmentally Hazardous Substance, liquid, n.o.s.

SAFETY DATA SHEET
PROPARGITE 57% EC
(MITEX)

	(Propargite 57% EC)25%
Hazard Class:	3
Packing group:	III
Marine Transport (IMDG / IMO)	
UN no:	1307
Shipping name:	Environmentally Hazardous Substance, liquid, n.o.s. (Propargite 57% EC)
Hazard Class:	3
Packing group:	III
Marine pollutant:	Yes
EmS:	F-A, S-F
Air transport (IATA / ICAO)	
UN no:	3082
Shipping name:	Environmentally Hazardous Substance, liquid, n.o.s. (Propargite 57% EC)
Hazard Class:	3
Packing group:	III
Cargo Packing instructions:	---

15. REGULATORY INFORMATION

U.S. Regulation :

SARA HAZARD CATEGORY :

This product has been reviewed according to the EPA "Hazard Categories" promulgated under section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered under applicable definitions to meet the following categories :

- An immediate health hazard
- A delayed health hazard

OSHA HAZARD COMMUNICATION STANDARD :

This Product is a "Hazardous Chemical" as defined by the OSHA Hazard Communicated Standard, 29 CFR 1910.1200.

Hazardous Products Act Information: CPR Compliance

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR).

Australian Inventory of Chemical Substances (AICS)

Propargite 57% EC is listed in the Australian Inventory of Chemical Substances (AICS).
This product is classified as a Hazardous Substance under Criteria of Safe Work Australia . Xn: Harmful.

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Issued date: 12.10.2021
Revised date: 10.07.2023
Revision No: 01
Ref: IIL/PRGTE57EC

This product is not classified as a Dangerous Good according to the ADG Code.

This product is classified as a Dangerous Good according to the IMDG and IATA.

European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are on the EINECS inventory or are exempt from inventory requirements.

EU Directive 67/548/EEC for classification, packaging and labeling of dangerous substances

Propargite is classified as a Harmful and Dangerous for the environment under the Directive 67/548/EEC

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION**Legal disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.