

Page 1 of 5 Issued date: 27.10.2021 Revised date: 04.03.2024 Revision No: 01 Ref: IIL/QNP25EC

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

Product name: Use / description of product: Company name: QUINALPHOS 25% EC Use as an agricultural/horticultural insecticide INDOFIL INDUSTRIES LIMITED Kalpataru Square, 4th Floor, Kondivita Road, Off. Andheri Kurla Road, Andheri (E), Mumbai 400 059, Maharashtra, India. Email: <u>customercare@indofil.com</u> Toll Free No.:1800-120-003-004

2. HAZARDS IDENTIFICATION

GHS Classification Hazard Symbol

Signal word: Hazard statement(s):



- H224 Extremely flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H313 May be harmful in contact with skin.
- H316 Causes mild skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- P260 Do not breathe dust/ fume/ gas/ mist/ vapours/spray.
- P264 Wash skin 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 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS	%
Active ingredient (Quinalphos)	13593-03-8	25
Other ingredients		QS

4. FIRST AID MEASURES

Most Important symptoms and effects, both acute and delayed Skin contact Eye contact Ingestion

There may be mild irritation at the site of contact There may be irritation and redness. There may be soreness and redness of the mouth and throat

Description of first aid measures

In general



Page 2 of 5 Issued date: 27.10.2021 Revised date: 04.03.2024 Revision No: 01 Ref: IIL/QNP25EC

	is having convulsions. Seek medical advice immediately (show the label where possible)
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 or Doctor if victim feels unwell.
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 to fresh air. Consult a physician if irritation develops

Indication of any immediate medical attention and special treatment needed Supportive care. No specific antidote. Treatment based on judgement of physician, in response to symptoms of patient.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Water spray. Carbon dioxide. Dry chemical powder.
Exposure hazards:	May form flammable mixture. In combustion emits toxic fumes
Exposure nazarus.	of sulphur Oxides, nitrogen oxides, carbon dioxide / carbon
	monoxide.
Protection of fire-fighters:	Wear self-contained breathing apparatus. Run-off from fire
	control may be a pollution hazard. If area is not too heavily
	exposed to fire, and if conditions permit, let fire burn itself out,
	since water may increase the contamination hazard.
6. ACCIDENTAL RELEASE MEASURES	
Personal precautions:	Eliminate all sources of ignition. Do not create dust.
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using
	bunding.
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by
	an appropriate method.
	Do not use equipment in clean-up procedure, which may produce
	sparks.
7. HANDLING AND STORAGE	
Handling requirements:	Keep out of reach of children. Do not eat, drink or smoke when using this product. Remove all sources of ignition. Wash thoroughly after handling. Handle in accordance with good
	industrial and safety practice.
Storage conditions:	Store in original container. Store locked up.
Suitable packaging:	Must only be kept in original packaging.
8. EXPOSURE CONTROLS / PERSONAL PR	ROTECTION

Engineering measures:

Enclosures, local exhaust ventilation, or other engineering controls to maintain airborne

limits. If exposure limits have not been established

	SAFETY DATA SHEET QUINALPHOS 25% EC (FLASH)	Page 3 of 5 Issued date: 27.10.2021 Revised date: 04.03.2024 Revision No: 01 Ref: IIL/QNP25EC
Respiratory protection:	Wear approved respirator.	
Hand protection:	Protective gloves Requirements can vary as a function necessary to adhere additionally to the the manufacturer of protective gloves	e recommendations given by
Eye protection:	Safety goggles.	
Skin protection:	Mixers and loaders must wear over chemical-resistant apron. Applicators and other handlers must waterproof gloves. Any clothing or which has been drenched or heavily c discarded.	wear overalls, goggles and r other absorbent material
9. PHYSICAL AND CHEMICAL PROPER	RTIES	
State:	Liquid	
Colour:	Green	
Odour:	Malodorous weak.	

Forms emulsion in water

5 to 6

No data

Odour: Solubility in water: pH Flash point °C:

10. STABILITY AND REACTIVITY

Stability:Stable under normal conditions.Conditions to avoid:Excessive temperatures.Hazardous decomp. products:Decomposition on heating above 22°C. Decomposed on heating
in alkaline media with the formation of copper oxides.
Decomposition will evolve toxic and irritant vapors.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients:	Quinalphos
Acute toxicity (Assessment largely or completely	based on data for active substance
Acute Oral LD ₅₀ (Rat)	> 71 mg/kg
Acute Dermal LD ₅₀ (Rat)	1750 mg/kg
Acute Inhalation LD ₅₀	0.45 mg/L of air
EYE Irritation (Rabbit)	Not irritant
SKIN Irritation (Rabbit)	Not irritant
Skin Sensitization (Guinea Pig)	Not irritant

12. ECOLOGICAL INFORMATION

Material is very toxic to aquatic organisms.
Rainbow Trout 0.005 mg/L; Carp 3.63 mg/L
Mallard Duck 37mg/kg; Japanese Quail 4.3 mg/kg body wt.
No data
Material is non-toxic to bees
0.07 ug/bee
0.17 ug/bee
No data



Page 4 of 5 Issued date: 27.10.2021 Revised date: 04.03.2024 Revision No: 01 Ref: IIL/QNP25EC

Environmental Fate	
Persistence and Degradability:	No information available.
Bio-accumulation potential:	No information available
Mobility in soil:	No information available
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: Shipping name: Hazard Class: Packing group: Land Transport (ADR / RID)	3017 Environmentally Hazardous Substance, solid, n.o.s. (Quinalphos) 6.1 III
UN no: Shipping name:	3017 Environmentally Hazardous Substance, solid, n.o.s. (Quinalphos)
Hazard Class:	6.1
Packing group:	Ш
r acking group.	111
Marine Transport (IMDG / IMO)	
UN no:	3017
Shipping name:	Environmentally Hazardous Substance, solid, n.o.s. (Quinalphos)
Hazard Class:	6.1
Packing group:	III
Marine pollutant:	Yes
EmS:	F-A, S-F
Air transport (IATA / ICAO)	
UN no:	3017
Shipping name:	Environmentally Hazardous Substance, solid, n.o.s. (Quinalphos)
Hazard Class:	6.1
Packing group:	Ш
Cargo Packing instructions:	



Page 5 of 5 Issued date: 27.10.2021 Revised date: 04.03.2024 Revision No: 01 Ref: IIL/QNP25EC

. REGULATORY INFORMATION	
Risk Phrases	R22 - Harmful if swallowed.
	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases	S35 - This material and its container must be disposed of in safe way.
	S57 - Use appropriate containment to avoid environmental contamination. To avoid risks to man and the environment, comply with the instructions for use

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.