



SHREEJI PESTICIDES PVT. LTD
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

Material safety data sheet CHLORTHALONIL 75% WP

1. Identification of the substance / preparation and of the company / undertaking

Identification of the substance or preparation

Common Name Chlorothalonil 75%WP

Company / undertaking identification

Company Shreeji Pesticides Pvt. Ltd. 69/P, Village – Manjusar – 391775, Tal. Savli,
Dist.Vadodara, Gujarat

Phone 02667-264701/02/03/04, 264716/17

Email info@shreejipesticides.com

Website www.shreejipesticides.com

2. Composition / information on ingredients

Chemical characteristics

Formulation type

An emulsifiable concentrate.

Sector

A pyrethroid insecticide.

EEC-No. : 217-588-1 Chlorothalonil

EC-No. : 215-343-3 Dialkyl naphthalene sulphonate sodium salt

Hazardous Component(s)

CAS	Product Denomination	Concentration	Hazard Symbol	Risk Phrases
1897-45-6	Chlorothalonil (Classification according to Directive 67/548/EC)	75 % w/w	Xn	R40
1322-93-6	Dialkyl naphthalene sulphonate sodium salt	< 10 % w/w	Xn	R22-R36/37
1332-58-7	Kaolin	< 50 % w/w		

3. Hazards Identification

A severe irritant to eyes. A mild irritant to skin. May cause sensitisation by skin contact. Very toxic to aquatic organisms.

4. First-Aid Measures

Eye Contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Ingestion: If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting. If vomiting occurs spontaneously, keep airway clean. Never give anything by mouth to a unconscious person. Seek medical attention.

Skin Contact: Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.

Inhalation: Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

Medical advice: If the amount of chemical is judged to be less than a lethal dose, observe the patient and treat symptomatically. If gastric lavage is considered necessary, prevent aspiration of gastric material. Consider administration of activated charcoal and a laxative. Antihistamins or steroids have been effective in treatment of irritation.

5. Fire-Fighting Measures

Keep fire exposed containers cool by spraying with water.

Extinguishing media: For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.



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Protective Equipment for Fire Fighting: A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Personal precautions: Ensure suitable personal protection during removal of spillages. This means wearing a face mask that gives protection against toxic dusts, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods : Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

Handling information
Safe handling advice :

7. Handling and Storage
Read the label before use.
Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

STORAGE

Safe storage advice :

Storage Life

Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs.

Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

Personal protection

8. Exposure controls / Personal protection

When using this product refer to the label for details.

Where suitable engineering controls are not fitted or are inadequate, wear suitable protective equipment. When selecting personal protective equipment, users should consult their supplier to confirm that the equipment is suitable.

Respiratory protect. :

Wear suitable respiratory protective equipment if exposure to high levels of material are likely. Wear suitable respiratory protective equipment if exposure to high levels of dust are likely.

Eye protection :

Wear suitable eye/face protection conforming to EN 166

Hand protection :

Wear suitable gloves conforming to EN 374

Body protection :

Wear suitable protective clothing.

Occupational exposure limits

Chlorothalonil ZENECA Standard 8 hr TWA 0.1 mg/m³

Hazardous ingredient :

Hazardous ingredient :

Kaolin OES/HSE (Respirable Dust) 8 hr TWA 2 mg/m³ Not applicable to field use.

9. Physical & Chemical Properties

Form	powder
Color	light grey
Odour	slightly pungent
Melting Point/Range	250 °C
Boiling Point/Range	> 350 °C
Flash-Point	Not applicable
Autoignition temperature	Not available.
Explosive Properties	Not available.
Vapour Pressure	Not available.
Density	1.9 at 20 °C
Solubility	dispersible in/with water
pH Value (quant.)	5 to 8.5
Partition coeff.	Not available.
Oxidizing properties	Not applicable

10. Stability and Reactivity

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.



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11. Toxicological Information

ACUTE TOXICITY (LETHAL DOSES)

Oral Median Lethal Dose rat (both genders) : 19000 mg/kg
Low oral toxicity. Dermal Median Lethal Dose rabbit : > 20000 mg/kg
Unlikely to be hazardous by skin absorption.

Median Lethal Concentration Inhalation rat (both genders) : 0.54 .. 0.9 mg/l 4 hours

Unlikely to be hazardous by inhalation unless present as a dust.

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation : Severe irritant to rabbit eyes.
Skin Irritation : Mild irritant to rabbit skin.
Skin Sensitisation : May cause sensitisation by skin contact.

CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure : Chlorothalonil is reported as a high dose threshold carcinogen in rats and mice. This is not considered to be a risk to man when handled and used as directed on the label.

12. Ecological Information

PERSISTENCE AND DEGRADATION

Inform. applies to : Chlorothalonil

There is evidence of rapid degradation in water.

There is evidence of degradation in soil.

Chlorothalonil is strongly absorbed to aquatic sediment and undergoes chemical and microbial degradation leading to bound soil residues.

ECOTOXICITY

This ecological assessment is calculated from data available on the components of the formulation.

Toxicity to fish : LC50 96 hours rainbow trout : 0.06 mg/l

Toxicity to daphnia : EC50 48 hours daphnia magna : 0.09 mg/l

Toxicity to algae : ErC50 72 hours green alga : 0.17 mg/l

Very toxic to aquatic organisms. (Not necessarily identical to the EC classification risk phrases).

13. Disposal Considerations

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes.

Disposal should be in accordance with local, state or national legislation.

14. Transport Information

Rail / Road (RID /ADR)

UN No. : UN2588
Class-primary : 6.1 Toxic Substance
Number/letter: 73 / (c)
Proper shipping name : 2588 PESTICIDE, SOLID, TOXIC, N.O.S., CHLOROTHALONIL MIXTURE

Maritime transport IMDG

UN No. : UN2588
Class-primary : 6.1
Toxic Substance UN Pack. Group : III
Proper shipping name : PESTICIDE, SOLID, TOXIC, N.O.S., (contains chlorothalonil 75%)
Marine pollutant : Yes

Air (ICAO / IATA)

UN/ID No.: : UN2588
Class-primary : 6.1
Toxic Substance UN Pack. Group : III
Proper shipping name : PESTICIDE, SOLID, TOXIC, N.O.S., (contains chlorothalonil 75%)



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15. Regulatory Information

Classification	IRRITANT
Hazard Symbol	Xi
Risk Phrases	(R41) Risk of serious damage to eyes. (R43) May cause sensitisation by skin contact.
Safety Phrases	(S2) Keep out of the reach of children. (S13) Keep away from food, drink and animal feeding stuffs. (S20/21) When using, do not eat, drink or smoke. (S26) In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S36/37/39) Wear suitable protective clothing, gloves and eye/face protection.

This substance is covered by the EEC Dangerous Substances Directive (CPL Regulations). It has therefore been labelled in accordance with these regulations.

Users should ensure that they comply with any relevant local, state or national

16. Other Information

Use: : A broad spectrum fungicide. Read the label before you buy: use pesticides safely. This data sheet was prepared in accordance with Directive 91/155/EC (93/112/EC). The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.