

SAFETY DATA SHEET

ALPHA PROPACHLOR 50 SC

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

Product name : ALPHA PROPACHLOR 50 SC
Chemical name of active ingredient(s) : 2-Chloro-N-isopropylacetanilide.
Manufacturer : Agan Chemical Manufacturers Ltd.
 Northern Industrial Zone,
 P.O.Box 262, Ashdod, Israel.
Supplier : Makhteshim-Agan (UK) Ltd.
 Unit 16, Thatcham Business Village
 Colthrop Way, Thatcham
 Berkshire RG19 9LW, U.K.
Emergency telephone number : National Chemical Emergency Centre, Tel:01865 407333.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation
Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Propachlor	1918-16-7	43 - 47	217-638-2	Xn	R22-36-43

* *Occupational Exposure Limit(s), if available, are listed in section 8*

3. HAZARDS IDENTIFICATION

Most important hazards : Harmful in contact with skin and if swallowed. Irritating to eyes and skin.
 May result in skin sensitization. Toxic to aquatic organisms.

4. FIRST-AID MEASURES

Effects and symptoms

Ingestion : Harmful if swallowed.
Skin contact : May cause sensitization by skin contact.
Eye contact : Irritating to eyes.

First-aid measures

Inhalation : Remove victim from area of exposure. Wash off remaining material with plenty of water.
Ingestion : Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.
Skin contact : Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.
Eye contact : Remove contaminated clothing. Wash away remainder with water and soap.
Eye contact : Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Get medical attention.

Notes to a physician : There is no specific antidote. Treat symptomatically and give supportive therapy.

Protection of first-aiders : Use appropriate protection (see section 8).

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5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Dry chemical, water spray, foam, carbon dioxide.
Hazardous thermal (de)composition products : Chloride compound and nitrogen oxides.
Protection of fire-fighters : Self-contained breathing apparatus and total protection required in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear suitable protective clothing.
Environmental precautions : Do not discharge into drains or the environment.
Methods for cleaning up : Absorb remainder in sand or other inert material. Dispose of in an authorized waste collecting point.

7. HANDLING AND STORAGE

- Handling** : Ventilation required.
Storage : Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight.
Packaging materials
Suitable : Plastic containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : Ventilation required.
Hygiene measures : When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.
Occupational Exposure Limits
Common name : **OEL (United Kingdom)**
Propachlor : Not established
Personal protective equipment
Respiratory system : Respiratory protection is not required if good ventilation is maintained.
Skin and body : Wear suitable protective clothing. Chemical resistant boots.
Hands : Chemical resistant gloves.
Eyes : Safety goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid
Colour : Off-white
Odour : Faint odour

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Boiling point	: 100°C (Water)
Density	: 1.11 ± 0.02 g/L @ 20°C
Vapour pressure	: 30.6 mPa @ 25°C (Propachlor)
Solubility in water	: 613 ppm @ 25°C (Propachlor)
Octanol/water partition coefficient	: log = 2.3 (Propachlor)
pH	: 6 - 8 CIPAC, MT 75
Flammability	: Not flammable
Explosion properties	: Not explosive
Oxidation properties	: Not oxidizing

10. STABILITY AND REACTIVITY

Stability	: Not subject to polymerization.
Materials to avoid	: Oxidizing agents, acids and alkali.
Hazardous reactions	: None
Hazardous decomposition products	: Chloride compound and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Preparation

Acute toxicity - Oral	: LD ₅₀ (rat) ~ 1,950 mg/kg
Acute toxicity - Dermal	: LD ₅₀ (rabbit) > 2,000 mg/kg
Acute toxicity - Inhalation	: LC ₅₀ (rat) > 2 mg/L (4 hours)
Skin irritation	: Moderately irritating (rabbit).
Eye irritation	: Moderately irritating (rabbit).
Sensitization	: Extreme sensitizer (guinea-pig).
Common name	: Propachlor
Chronic toxicity	: NOEL (rat) = 2.6 mg/kg/day (2 years) NOEL (mouse) = 1.6 mg/kg/day (1½ year) NOEL (dog) = 9 mg/kg/day (1 year)
Carcinogenicity	: EPA : Not classified EU : Not classified IARC : Not classified
Mutagenicity	: Not mutagenic
Reproduction toxicity	: NOEL (rat) = 30 mg/kg/day
Other information	: Teratogenicity - NOEL (rat) = 200 mg/kg/day NOEL (rabbit) = 58 mg/kg/day

12. ECOLOGICAL INFORMATION

Preparation

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Common name : Propachlor

Mobility : **Soil**
Moderately mobile.
Adsorbed on organic matter and clay.

Persistence/degradability : **Soil**
The product is not persistent.
Half-life time (t_{1/2}): ~ 7 days.
Degradation is primarily via: microorganisms.

Ecotoxicity : **Fish**
LC₅₀ (96 hours) bluegill sunfish > 1.4 mg/L
rainbow trout = 0.17 mg/L

Daphnia magna
EC₅₀ (48 hours) = 7.8 mg/L

Birds
Bobwhite quail LD₅₀ = 91 mg/kg
LC₅₀ (8 day feeding) > 5,000 mg/kg
Mallard duck LC₅₀ (8 day feeding) > 5,000 mg/kg

Bees
Oral LD₅₀ = 1,000 ppm

Toxic to aquatic organisms. Low toxicity: birds. Non toxic: bees.

13. DISPOSAL CONSIDERATIONS

Methods of disposal : Dispose of in a pesticide approved landfill or in a chemical incinerator equipped with scrubbers, In accordance with national and regional regulations.

14. TRANSPORT INFORMATION

International transport regulations

UN number : 3082

Land - Road/Railway

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Propachlor
ADR/RID Class : 9, Label 9
ADR/RID Item number : 11(c)
Packing group : III
Hazard Identification Number : 90

Inland waterways

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Propachlor
ADNR Class : 9, 11(c), Label 9

Sea : Not classified.

Air : Not classified.

National transport regulations

United Kingdom : No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION

Classification : Country-specific classification - United Kingdom.

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Hazard symbol(s) : Xn



HARMFUL

Risk phrases : R21/22: Harmful in contact with skin and if swallowed.
R36/38: Irritating to eyes and skin.

Safety phrases : S02: Keep out of the reach of children.
S07: Keep container tightly closed.
S13: Keep away from food, drink and animal feedingstuffs.
S20/21: When using do not eat, drink or smoke.
S23D: Do not breathe spray.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27: Take off immediately all contaminated clothing.
S28: After contact with skin, wash immediately with plenty of water.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S49: Keep only in the original container.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

United Kingdom : No additional national regulations are known to the supplier

16. OTHER INFORMATION

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY

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