

# SAFETY DATA SHEET

## SULTAN 50 SC

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

**Product name** : SULTAN 50 SC  
**Chemical name of active ingredient(s)** : 2-chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylidide (IUPAC)  
**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
Metazachlor	67129-08-2	41 - 45	266-583-0	-	-

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

### 3. HAZARDS IDENTIFICATION

**Most important hazards** : Harmful if swallowed. May cause sensitization by skin contact. Very toxic to aquatic organisms.

### 4. FIRST-AID MEASURES

#### Effects and symptoms

**First-aid measures** : Remove victim from area of exposure. Wash off remaining material with plenty of water.

**Inhalation** : Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.

**Ingestion** : Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.

**Skin 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 compounds 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** : High density polyethylene extrusion blow 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** : **Metazachlor**  
: 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** : Grey - beige  
**Odour** : Faint odour (aromatic)

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<b>Boiling point</b>	: 100°C (Water)
<b>Density</b>	: 1.14 g/mL @ 20°C
<b>Vapour pressure</b>	: 0.093 mPa @ 20°C (Metazachlor)
<b>Solubility in water</b>	: Miscible
<b>Octanol/water partition coefficient</b>	: log P = 2.13 (Metazachlor)
<b>Flammability</b>	: Not flammable
<b>Explosion properties</b>	: Not explosive
<b>Oxidation properties</b>	: Not oxidizing

#### 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Not subject to polymerization.
<b>Materials to avoid</b>	: Oxidizing agents, acids and alkali.
<b>Hazardous reactions</b>	:
<b>Hazardous decomposition products</b>	: Chloride compounds and nitrogen oxides.

#### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity - Oral</b>	: LD <sub>50</sub> (rat-female) = 1,234 mg/kg
<b>Acute toxicity - Dermal</b>	: LD <sub>50</sub> (rat) > 4,000 mg/kg
<b>Acute toxicity - Inhalation</b>	: LC <sub>50</sub> (rabbit) > 3.99 mg/L (4 hours) (maximum attainable concentration)
<b>Skin irritation</b>	: Not irritating (rabbit).
<b>Eye irritation</b>	: Minimal irritant (rabbit).
<b>Sensitization</b>	: Sensitizer (guinea-pig).
<b>Common name</b>	: <b>Metazachlor</b>
<b>Chronic toxicity</b>	: NOEL (rat) = 3.6 mg/kg NOEL (mice) = 19 mg/kg

#### 12. ECOLOGICAL INFORMATION

##### Preparation

<b>Ecotoxicity</b>	: <b>Fish</b> LC <sub>50</sub> (96 hours) rainbow trout (oncorhynchus mykiss) = 7.34 mg/L
	: <b>Daphnia magna</b> EC <sub>50</sub> (48 hours) = 67.8 mg/L
	: <b>Algae</b> (desmodesmus subspicatus) EC <sub>50</sub> (72 hours) = 0.0437 mg/L

<b>Common name</b>	: <b>Metazachlor</b>
<b>Mobility</b>	: Soil - Not mobile.
<b>Persistence/degradability</b>	: <b>Soil</b> Degradation is primarily via: microorganisms. Half-life time (t <sub>1/2</sub> ): 3-9 days.

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### Ecotoxicity

#### : Fish

LC<sub>50</sub> (96 hours) rainbow trout (oncorhynchus mykiss) = 4 mg/L  
carp (cyprinus caprio) = 15 mg/L

#### Daphnia

EC<sub>50</sub> (48 hours) = 22 mg/L

#### Algae

Chlorella fusca EC<sub>50</sub> (96 hours) = 1.63 mg/L

#### Birds

Bobwhite quail (colinus virginianus) LD<sub>50</sub> > 2,000 mg/kg  
LC<sub>50</sub> > 5,620 mg/kg

Mallard duck (anas platyrhynchos) LC<sub>50</sub> > 5,620 mg/kg

#### Bees

Not toxic.

Harmful to aquatic organisms. Birds and bees: Non toxic.

### 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

Not classified.

#### National transport regulations

No additional national transport regulations are known to the supplier

### 15. REGULATORY INFORMATION

#### Classification

: This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations (Directives 67/548/EEC, 1999/45/EC).

#### Hazard symbol(s)

: Xn, N



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

#### Risk phrases

: R22: Harmful if swallowed.  
R43: May cause sensitization by skin contact.  
R50: Very toxic to aquatic organisms.

## **SAFETY DATA SHEET**

### **SULTAN 50 SC**

**Safety phrases** : S02: Keep out of the reach of children.  
S13: Keep away from food, drink and animal feedingstuffs.  
S20/21: When using do not eat, drink or smoke.  
S24/25: Avoid contact with skin and eyes.  
S36/37: Wear suitable protective clothing and gloves.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S60: This material and its container must be disposed of as hazardous waste.  
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### **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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**Version** : 001

The version-number is made up of three parts; part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code

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