

SAFETY DATA SHEET

ALANEX 48 CS

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

Product name : ALANEX 48 CS
Chemical name of active ingredient(s) : 2-Chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide
Manufacturer : Agan Chemical Manufacturers Ltd.
 Northern Industrial Zone,
 P.O.Box 262, Ashdod, Israel.
Emergency telephone number : +972-8-8515211

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Information on hazardous ingredients *

| Common name | CAS No. | % | EC Number | Symbol | R-Phrases |
|----------------|------------|---------|-----------|--------|-----------------|
| Alachlor (ISO) | 15972-60-8 | 40 - 44 | 240-110-8 | Xn, N | R22-40-43-50/53 |

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

3. HAZARDS IDENTIFICATION

Most important hazards : Limited evidence of a carcinogenic effect. May result in skin sensitization. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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).

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : Dry chemical, water spray, foam, carbon dioxide.

SAFETY DATA SHEET

ALANEX 48 CS

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 : Collect spilled material. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection 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 : **Alachlor (ISO)**
TLV (USA) : 5 mg/m³
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 : Capsule suspension
Colour : White
Odour : Faint odour
Density : 1.14 ± 0.02 g/mL @ 20°C
Vapour pressure : 2.9 mPa @ 25°C (Alachlor (ISO))
Solubility in water : 242 ppm @ 25°C (Alachlor (ISO))
Octanol/water partition coefficient : log = 2.9 (Alachlor (ISO))
pH : 5 - 7
Flammability : Not flammable
Explosion properties : Not explosive
Oxidation properties : Keep away from: Strong oxidizing agents.

SAFETY DATA SHEET

ALANEX 48 CS

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Preparation

Acute toxicity - Oral : LD₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Dermal : LD₅₀ (rat) > 2,000 mg/kg
Skin irritation : Mildly irritating (rabbit)
Eye irritation : Mildly irritating (rabbit)
Sensitization : Extreme sensitizer (guinea-pig)

Common name : **Alachlor (ISO)**
Chronic toxicity : NOEL: mice 26 mg/kg/day; rat 0.5 mg/kg/day.
Carcinogenicity : EPA : Group B2
EU :Carc. Cat. 3
IARC : Not classified

Mutagenicity : Not mutagenic
Reproduction toxicity : NOEL: 30 mg/kg/day (3-generation)
Other information : Teratogenicity - NOEL (rat and rabbit): 150 mg/kg/day.

12. ECOLOGICAL INFORMATION

Common name : **Alachlor (ISO)**
Mobility : **Soil**
Low mobility - Moderately mobile.
Adsorbed on soils with high organic content.
Water
Low risk for underground water contamination.

Persistence/degradability : **Soil**
Half-life time (t_{1/2}): ~ 21 days.
Degradation is primarily via: microorganisms.
Water
55% degraded in 28 days.

Bioaccumulative potential : Low bioaccumulation potential (K_{ow} log P = 3.09)

SAFETY DATA SHEET

ALANEX 48 CS

Ecotoxicity : **Fish**
 LC₅₀ (96 hours) rainbow trout (oncorhynchus mykiss) = 2.8 mg/L
 bluegill sunfish (Lepomis macrochirus) = 1.8 mg/L
 dwarf gowrami = 1.73 mg/L

Daphnia magna
 EC₅₀ (48 hours) = 26 mg/L

Algae (selenastrum capricornutum)
 EC₅₀ (72 hours) = 0.012 mg/l

Birds
 Bobwhite quail (colinus virginianus) LD₅₀ = 1,536 mg/kg
 chicken LD₅₀ = 916 mg/kg
 Mallard duck (anas platyrhynchos) and Bobwhite quail (colinus virginianus):
 LC₅₀ > 5,620 mg/kg (5 feeding days)

Bees
 LD₅₀ = 32 mg/bee

Toxic to aquatic organisms. Low toxicity: birds. Not 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., Alachlor (ISO).
ADR/RID Class : 9, M6, PG III
Hazard Identification Number : 90

Inland waterways

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Alachlor (ISO).
ADNR Class : 9, M6, PG III

Sea

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Alachlor (ISO).
IMDG Class : 9
Packing group : III
Emergency Schedules (EmS) : F-A, S-F

Air

Proper shipping name : Environmentally hazardous substance, Liquid, N.O.S., Alachlor (ISO).
UN/ID Number : 3082
IATA-DGR Class : 9, PG III

National transport regulations

No additional national transport regulations are known to the supplier

SAFETY DATA SHEET

ALANEX 48 CS

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 : R40: Limited evidence of a carcinogenic effect.
R43: May cause sensitization by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.
S35: This material and its container must be disposed of in a safe way.
S36/37: Wear suitable protective clothing and gloves.
S57: Use appropriate containment to avoid environmental contamination.
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

Date of printing : 18/09/2006
Date previous issue : 16/12/2004
Date of issue : 18/09/2006
Version : 004

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

Prepared by : Ahmed Taya/Jennifer Ashtamkar