

SAFETY DATA SHEET
EU Regulation No. 1907/2006,
Annex II

Page : 1

Revised edition no : 1

Date : 23 / 6 / 2014

Supersedes : 23 / 6 / 2014

ALANEX 480 CS

H-0008-00506-RAII

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : ALANEX 480 CS
Product code : H-0008-00506-RAII

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Herbicide
Uses advised against : None under normal conditions.

1.3. Details of the supplier of the safety data sheet

Supplier : ADAMA SOUTH AFRICA (PTY) LTD
21 Viben Street
Brackenfell 7560
Email : msds@mcw.co.il

1.4. Emergency telephone number

+27 82 331 6463
+27 21 982 1460

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification 67/548/EEC (DSD) - 1999/45/EC (DPD)

: Carc. Cat. 1; R40
R43
N; R50-53

2.2. Label elements

Labelling 1999/45/EC (DPD)

Symbol(s)



: Xn : Harmful.
N : Dangerous for the environment.

R Phrase(s)

: 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.

S Phrase(s)

: 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 container to avoid environmental contamination.
S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

2.3. Other hazards

Other hazards : None under normal conditions.

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SECTION 3. Composition/information on ingredients

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Alachlor (ISO)	: 40 - 44 %	15972-60-8	240-110-8	616-015-00-6	----	Carc. Cat. 3; R40 Xn; R22 R43 N; R50-53 (M fact. = 100) ----- Acute Tox. 4 - H302 Carc. 2 - H351 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Text of R/H-Phrases - Sec. 16

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid measures

- Inhalation** : Remove victim to fresh air. Wash away remainder with water and soap. If not breathing, give artificial respiration. Obtain medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash off with plenty of water and soap. Get medical attention.
- Eye contact** : Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.
- Ingestion** : Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. If not breathing, give artificial respiration. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

- Note to physician** : There is no specific antidote. Treat symptomatically and give supportive therapy.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media** : For small fire : Dry chemical powder , water spray carbon dioxide
For large fire: Water spray or foam .

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products** : Chloride compounds , carbon oxides (CO, CO2) , nitrogen oxides (NO, NO2) .

5.3. Advice for fire-fighters

- Protection against fire** : Wear suitable protective clothing Self-contained breathing apparatus.
- Special procedures** : Fight fires from a protected location . Dike fire control water for later disposal.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For emergency responders** : Wear recommended personal protective equipment.

6.2. Environmental precautions

- Environmental precautions** : Do not empty into drains , Do not discharge into the environment.

6.3. Methods and material for containment and cleaning up

- Clean up methods** : Collect spilled material. Dispose of this material and its container at hazardous or special waste collection point.

6.4. Reference to other sections

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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Handle in accordance with good industrial hygiene and safety procedures. When using do not eat, drink or smoke . Ventilation required.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well-ventilated place

Storage - away from : Keep away from heat, sparks and flame. direct sunlight .

7.3. Specific end use(s)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

TLV - ACGIH [mg/m³] : (Alachlor(ISO)): 5

8.2. Exposure controls

Exposure controls : When using do not eat, drink or smoke. Ventilation required. Wash hands thoroughly after handling. Wash clothing before re-using.

- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- **Skin protection** : Impervious protective suit with gloves, boots, and full head and face protection must be worn.
- **Eye protection** : Chemical goggles or safety glasses.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : (CS) Capsule suspension.
Colour : White
Odour : Faint odour
Odour threshold : Not available
pH : 5.0-7.0
Melting point / Freezing point : 39 - 40 (Pure)
Initial boiling point - boiling range : Not available
Flash point : Not available
Evaporation rate : Not applicable
Flammability : Not flammable
Explosion limits (lower - upper) : Not available
Vapour pressure : 2.9 mPa at a temperature of 25°C (Alachlor(ISO))
Vapour density : Not available
Relative density : 1.14±0.02 @ 20°C
Specific gravity : 0.94 - 0.96 at a temperature of 20°C
Solubility : 242 ppm @ 25°C (Alachlor(ISO)0
Partition coefficient : n-octanol / water : 2.9
Auto-ignition temperature : Not available
Decomposition temperature : Not available
Viscosity : Not available
Explosive Properties : None
Oxidising properties : Keep away from strong oxidizing agents

9.2. Other information

: Not available

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SECTION 9. Physical and chemical properties (continued)

SECTION 10. Stability and reactivity

10.1. Reactivity

: Not known

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerization will not occur

10.4. Conditions to avoid

Conditions to avoid : Open flame , direct sunlight , and excessive heat .

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents , acids , alkali .

10.6. Hazardous decomposition products

Hazardous decomposition products : Chloride compounds , carbon oxides (CO, CO₂) , nitrogen oxides (NO, NO₂) .

SECTION 11. Toxicological information

On product

11.1. Information on toxicological effects

- Acute toxicity
 - Oral, Rat LD50 (mg/kg) : >2,000
 - Dermal, Rat LD50 [mg/kg] : > 2,000
 - Inhalation, Rat LC50 [mg/l/4h] : Not available
- Skin corrosion/irritation : Mildly irritating
- Serious eye damage/irritation : Mildly irritating
- Respiratory or skin sensitisation : Not available
- Germ cell mutagenicity : Not mutagenic
- Carcinogenicity : Limited evidence of a carcinogenic effect.
- Reproductive toxicity : Not considered to be toxic for the reproductive system.
- STOT-single exposure : Not available
- STOT-repeated exposure : Not available
- Aspiration hazard : Not available

SECTION 12. Ecological information

Common name : (Alachlor(ISO))

12.1. Toxicity

Acute toxicity

- 96 H-LC50 - Rainbow trout [mg/l] : 2.8
- LC50 96 Hour - fish [mg/l] : bluegill sunfish =1.8
- 48 H-EC50 - Daphnia magna [mg/l] : 26
- 72 H-EC50 - Algae [mg/l] : 0.012
- Bees LC50 [µg/Bee] : 32
- Birds LC50 [mg/kg] : Bobwhite quail and mallard duck >5,620 (5 feeding day).

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SECTION 12. Ecological information (continued)

LD50 Birds [mg/kg] : chicken =916
Bobwhite quail =1,536

Long-term exposure

12.2. Persistence - degradability

Persistence - degradability : Half-life time (t1/2) ~ 21 days
: **Soil**
: Degradation is primarily via: 30 microorganisms .
: **water**
: Half-life time (t1/2) ~28 days.

12.3. Bioaccumulative potential

Bioaccumulative potential : Partition Coefficient (Kow) log P=3.09.

12.4. Mobility in soil

Mobility : **Soil**
: Low mobility
Adsorbed on soils with high organic content.
: **Water**
: Low risk of underground water contamination. .

12.5. Results of PBT and vPvB assessment

: Not available

12.6. Other adverse effects

: None known.

SECTION 13. Disposal considerations

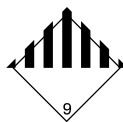
13.1. Waste treatment methods

General : Dispose of in a pesticide approved landfill, or in a chemical incinerator equipped with scrubbers. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. Transport information

14.1. UN number

UN N° : 3082
Hazard Label(s)



14.2. UN proper shipping name

• Land transport - ADR/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Alachlor), 9, III
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Alachlor), 9, III
- H.I. no : 90
• Sea transport - IMO-IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Alachlor), 9, III
• Air transport - ICAO/IATA : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Alachlor), 9, III

14.3. Transport hazard class(es)

• Land transport - ADR/RID : 9
• Sea transport - IMO-IMDG : 9

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SECTION 14. Transport information (continued)

- IMO-IMDG - class or division : 9
- Air transport - ICAO/IATA : 9

14.4. Packing group

- Land transport - ADR/RID : III
- Packing group : III
- Sea transport - IMO-IMDG : III
- Air transport - ICAO/IATA : III

14.5. Environmental hazards

- IMDG-Marine pollution : Marine pollutant - Polluant marin

14.6. Special precautions for user

: See transport documents.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: Not applicable.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

: Alachlor is listed in Annex I Part I of EU regulation No 649/1012 concerning the export and import of hazardous chemicals (PIC).

15.2. Chemical Safety Assessment

: Not applicable

SECTION 16. Other information

List of relevant R phrases (heading 3) : R22 - Harmful if swallowed.
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.

List of relevant H phrases (Section 3) : H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H351 - Suspected of causing cancer
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

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Recommended uses and restrictions : None.

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