



# SAFETY DATA SHEET

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Revision nr : 1

Date : 21/1/2004

Supersedes : 0/0/0

**CA701403**

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## CLIOPHAR 10 SL

### Producer

CHIMAC-AGRIPHAR S.A.  
Rue de Renory, 26  
B-4102 Ougrée Belgique-Belgie  
Tel. : +32 (0)4 385 97 11  
In case of emergency : +32 (0)70 245 245

### Responsible for distribution

CHIMAC-AGRIPHAR S.A.  
Rue de Renory, 26  
B-4102 Ougrée Belgique-Belgie  
Tel. : +32 (0)4 385 97 11  
In case of emergency : +32 (0)70 245 245

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

Identification of the product : Clopyralid 100 g/L SL, monoethanolamine salt.  
Use : Agriculture.  
Type of product : Herbicide.  
Company identification : See distributor.

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

This product is not considered to be hazardous but contains hazardous components.

Substance name	Value(s)	CAS No / EC No / EC Index	Symbol(s)	R-Phrase(s)
<u>Clopyralid, monoethanolamine salt</u> :	11.4 to 13.5 %	057754-85-5 / ----- / -----	Xi N	41-51/53
<i>Rat oral LD50 [mg/kg]</i>	: 2675 to 3738			
<i>Percutaneous (rat) LD50 [mg/kg]</i>	: > 2000			
<i>Rat inhalation LC50 [mg/l/4h]</i>	: > .38			
<i>LC50 96h fish [mg/l]</i>	: 103.5			
<i>EC50 48h Daphnia magna [mg/l]</i>	: 225			
<i>IC50 72h Algae [mg/l]</i>	: 6.9			

## 3 HAZARDS IDENTIFICATION

Risk Phrases : No significant hazards.  
Primary route of exposure : Repeated or prolonged skin contact.  
Symptoms relating to use  
- Inhalation : Inhalation of vapours may cause respiratory irritation.  
- Skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.  
- Eye contact : Slight eye irritant.  
- Ingestion : Abdominal pain, nausea. Must not come into contact with food or be consumed.

## 4 FIRST AID MEASURES

First aid  
- Inhalation : Assure fresh air breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If you feel unwell, seek medical advice.  
- Skin contact : For even minor contact, immediately remove contaminated clothing/wash skin thoroughly with mild soap / water. Seek medical attention if ill effect or irritation develops. Wash clothing before re-using.  
- Eye contact : Rinse immediately with plenty of water. Retract eyelids often. Obtain medical attention if pain, blinking, tears or redness persist.  
- Ingestion : Rinse mouth. Do not induce vomiting. Seek medical advice (show the label where possible).

## 5 FIRE-FIGHTING MEASURES

Flammable class : Not combustible.  
Extinguishing media : Water spray. Carbon dioxide. Dry chemical. Alcohol foam.  
Surrounding fires : Use water spray or fog for cooling exposed containers.  
Special exposure hazards : When heated to decomposition, emits dangerous fumes.  
Protection against fire : Wear proper protective equipment.  
Special procedures : Avoid (reject) fire-fighting water to enter environment. Exercise caution when



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### 5 FIRE-FIGHTING MEASURES (continued)

fighting any chemical fire.

### 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions : Equip cleanup crew with proper protection. Use adequate ventilation to keep vapour concentrations below applicable standard. Respiratory protection equipment may be necessary.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. May contaminate water supplies.
- After spillage and/or leakage : Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush. Recover the cleaning water for later disposal. Use appropriate container to avoid environmental contamination.

### 7 HANDLING AND STORAGE

- Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.
- Storage : Store in dry, cool, well-ventilated area. Keep container closed when not in use. Protect from freezing.
- Handling : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection



- Respiratory protection : Where excessive vapour may result, wear approved mask.
- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Skin protection : If skin contact or contamination of clothing is likely, protective clothing should be worn.
- Eye protection : Safety glasses.
- Ingestion : When using, do not eat, drink or smoke.
- Industrial hygiene : Either local exhaust or general room ventilation is usually required.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Liquid.
- Colour : Yellow to amber.
- Odour : Negligible.
- pH value : 8.5
- Density : 1.05
- Solubility in water : Complete.
- Flash point [°C] : > 100
- Auto-ignition temperature [°C] : > 650

### 10 STABILITY AND REACTIVITY

- Physico-chemical stability : Stable.
- Hazardous decomposition products : When heated to decomposition, emits dangerous fumes.
- Hazardous reactions : Reacts with : Acids.
- Hazardous Polymerization : Will not occur.
- Hazardous properties : None under normal conditions.



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### 11 TOXICOLOGICAL INFORMATION

- Acute toxicity
- Dermal : Normally considered as not dangerous for the skin.
  - Ocular : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
- Rat oral LD50 [mg/kg] : > 2000
- Rabbit dermal LD50 [mg/kg] : > 4000
- On ingredients : See Heading : Information on ingredients.

### 12 ECOLOGICAL INFORMATION

- LC50 96h fish [mg/l] : > 1000
- 48 Hour-EC50 - Daphnia magna [mg/l] : > 1000
- IC50 72h Algae [mg/l] : 470
- On ingredients : See Heading : Information on ingredients.

### 13 DISPOSAL CONSIDERATIONS

- Disposal : Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

### 14 TRANSPORT INFORMATION

- Land transport : Not classified.
- Sea transport : Not classified.
- Air transport : Not classified.

### 15 REGULATORY INFORMATION

- Symbol(s) : None.
- R Phrase(s) : None.
- 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.

### 16 OTHER INFORMATION

- Further information : None.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58/CE

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