

**OXYTRIL CM 18621 4X5L IE**Version 1 / IRL
1020000021091/9
Revision Date: 29.06.2004
Print Date: 29.06.2004**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name OXYTRIL CM 18621 4X5L IE
Product code (UVP) 05930286
Product code TADS10893
Product code (EXP) EXP03334C
Specification 18621
Usage herbicide
Company Bayer CropScience
Bayer Ltd
Chapel Lane, Swords
CO Dublin
Ireland
Telephone +353-1-8132222
Telefax +353-1-8132288
Emergency telephone number 1800-409-399

2. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature**Emulsifiable concentrate (EC)
Bromoxynil/loxylnil 200:200 g/l**Hazardous components**

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Bromoxynil octanoate	1689-99-2 216-885-3	Xn, N	R21/22, R50/53, R63	27.40
loxylnil octanoate	3861-47-0 223-375-4	Xn, N	R22, R50/53, R63	24.70
Calcium alkylarylsulfonate		Xi	R36/38	> 1.00 - < 5.00
iso-butanol	78-83-1 201-148-0	Xi	R10, R37/38, R41, R67	> 1.00 - < 5.00
Solvent naphtha (petroleum), heavy arom.		Xn, N	R51/53, R65, R66, R67	> 25.00 - < 50.00

3. HAZARDS IDENTIFICATION**Risk advice to man and the environment**

Harmful if swallowed.
May cause sensitization by skin contact.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Possible risk of harm to the unborn child.
Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.



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4. FIRST AID MEASURES

General advice

Remove contaminated, soaked clothing immediately and dispose of safely.

Inhalation

Move the patient to fresh air and keep at rest. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion

Wash out mouth with water. Do not induce vomiting. Keep at rest. Seek medical advice immediately.

Notes to physician

Symptoms

Local: May cause skin and eye irritation., sensitization

Symptoms

Systemic: nausea, vomiting, hyperventilation, sweating, salivation, hyperthermia, convulsions

Risks

Risk of product entering the lungs on vomiting after ingestion.

Treatment

Local treatment:

Initial treatment should be symptomatic and supportive.

Treatment

Systemic treatment:

In the event of a mouthful or more being ingested, the following measures should be considered:

Monitoring of respiratory and cardiac functions

Keep airway clear, administer artificial respiration if necessary.

Gastric lavage with charcoal, if necessary further treatment.

Against convulsions: Give diazepam: for adults 5-10 mg intravenously as necessary until fully sedated; for children 2.5 mg i.v.

Contraindications: antipyretics

Keep at rest.

In case of fever it is essential to cool the victim down.

Absolute quiet is necessary.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water spray

alcohol-resistant foam

dry powder

carbon dioxide (CO₂)

Extinguishing media which must not be used for safety reasons

high volume water jet

Specific hazards during fire fighting

In case of fire the evolution of dangerous gases is possible.



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Special protective equipment for fire-fighters

In the event of fire and/or explosion do not breathe fumes.
Wear self contained breathing apparatus for fire fighting if necessary.

Further information

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.
Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid contact with spilled product or contaminated surfaces.
When dealing with a spillage do not eat, drink or smoke.

Environmental precautions

Keep people and animals away.
Do not allow spilt product to enter soil or waterways
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up

Take up with absorbent material (e.g. sand, earth or a proprietary absorbent material).
Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Clean contaminated floors and objects thoroughly, observing environmental regulations

Additional advice

Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.
Check also for any local site procedures.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.
Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion

The product is combustible.
Keep away from sources of ignition - No smoking.
Vapours may form explosive mixture with air.

Storage

Requirements for storage areas and containers

Keep containers tightly closed in a cool, well-ventilated place.
Store in a place accessible by authorized persons only.
Keep away from direct sunlight.
Protect against frost.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

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Storage stability
Storage temperature 0 - 30 °C

Suitable materials
Keep in original packaging, tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
iso-butanol	78-83-1	150 mg/m ³ (TWA)	2001	ELV (IE)
iso-butanol	78-83-1	225 mg/m ³ (STEL)	2001	ELV (IE)

Additional advice

Observe: Exposure Limits In Air, Gp3 200mg/m³/50ppm. (aromatic-rich hydrocarbon mixes with > 25% aromatics TRGS 901, No. 72)

Personal protective equipment

Respiratory protection Short term: Filter apparatus, Filter A

Hand protection Suitable chemical resistant gloves
PVC or nitrile rubber gloves

Eye protection Chemical resistant goggles must be worn.

Skin and body protection Light protective clothing, PVC
PVC boots

Hygiene measures

When using, do not eat, drink or smoke.
Remove soiled clothing immediately.
Remove soaked clothing immediately.
Clean hands and face at work intervals and after work.
Work in an adequately ventilated room.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form Liquid
Colour amber
Odour aromatic

Safety data

pH 3.0 - 4.0 at 10 g/l
Flash point 61 °C

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Ignition temperature	> 450 °C The data refers to solvent naphtha petroleum.
Upper explosion limit	7.00 %(V) The data refers to solvent naphtha petroleum.
Lower explosion limit	0.8 %(V) The data refers to solvent naphtha petroleum.
Vapour pressure	0.3 hPa at 20 °C The data refers to solvent naphtha petroleum.
Relative vapour density	1.00 The data refers to solvent naphtha petroleum.
Density	ca. 1.158 g/cm ³ at 20 °C
Water solubility	emulsifiable
Partition coefficient (n-octanol/water)	log Pow: 5.9 The value mentioned relates to the active ingredient bromoxynil octanoate.
Partition coefficient (n-octanol/water)	log Pow: 6.0 The value mentioned relates to the active ingredient ioxynil octanoate.
Surface tension	33 mN/m
Other information	Combustible liquid

10. STABILITY AND REACTIVITY

Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	None
Hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD50 (rat) 601 mg/kg
Acute dermal toxicity	LD50 (rat) > 2,314 mg/kg
Skin irritation	slight irritant effect - does not require labelling (rabbit)
Eye irritation	slight irritant effect - does not require labelling (rabbit)

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In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as product waste.
Rinsed packaging may be acceptable for landfill, otherwise incineration will be required in accordance with local regulations.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION**ADR/RID/ADNR**

UN-No	1993
Labels	3
Packaging group	III
Hazard no.	30
Description of the goods	UN 1993 FLAMMABLE LIQUID, N.O.S. (BROMOXYNIL OCTANOATE, SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC SOLUTION)
Special Provision	640E

IMDG

UN-No	1993
Class	3
Packaging group	III
Marine pollutant	Marine pollutant
Description of the goods	FLAMMABLE LIQUID, N.O.S. (BROMOXYNIL OCTANOATE, SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC SOLUTION)

IATA

UN-No	1993
Class	3
Packaging group	III
Description of the goods	FLAMMABLE LIQUID, N.O.S. (BROMOXYNIL OCTANOATE, SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC SOLUTION)

15. REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Hazardous components which must be listed on the label:

- Bromoxynil
- loxynil
- Solvent naphtha (petroleum), heavy arom.

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Symbol(s)	
Xn	Harmful
N	Dangerous for the environment
R-phrases	
R22	Harmful if swallowed.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
S-phrases	
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.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Exceptional labelling	
	Restricted to professional users.
	To avoid risks to man and the environment, comply with the instructions for use.
Further information	
	WHO-classification: II (Moderately hazardous)

16. OTHER INFORMATION**Further information**

Text of R phrases mentioned in Section 2:

R10	Flammable.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

The information given in this Data Sheet has been included in accordance with the guidelines established by EC Directive 1991/155/EC as amended. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

Bayer CropScience



SAFETY DATA SHEET according to EC Directive 2001/58/EC

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Changes since the last version will be highlighted in the margin. This version replaces all previous versions.