



## OXYTRIL CM

Version 6 / GB  
102000011943

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Revision Date: 08.05.2014  
Print Date: 08.05.2014

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

**Trade name** OXYTRIL CM  
**Product code (UVP)** 06455549

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

**Use** Herbicide

#### 1.3 Details of the supplier of the safety data sheet

**Supplier** Bayer CropScience Limited  
230 Cambridge Science Park  
Milton Road  
Cambridge  
Cambridgeshire CB4 0WB  
United Kingdom

**Telephone** +44(0)1223 226500

**Telefax** +44(0)1223 426240

**Responsible Department** Email: [ukinfo@bayercropscience.com](mailto:ukinfo@bayercropscience.com)

#### 1.4 Emergency telephone no.

**Emergency telephone no.** 0800-220876 (UK 24 hr)  
+44(0)1635-563000 (Overseas 24 hr)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Acute toxicity: Category 4

H302 Harmful if swallowed.

Aspiration hazard: Category 1

H304 May be fatal if swallowed and enters airways.

Skin irritation: Category 2

H315 Causes skin irritation.

Skin sensitisation: Category 1

H317 May cause an allergic skin reaction.

Eye irritation: Category 2

H319 Causes serious eye irritation.

Specific target organ toxicity - single exposure: Category 3

H336 May cause drowsiness or dizziness.

Reproductive toxicity: Category 2

H361d Suspected of damaging the unborn child.

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1

H410 Very toxic to aquatic life with long lasting effects.



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### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn Harmful, R22  
Xi Irritant, R36/38  
Xi Irritant, R43  
N Dangerous for the environment, R50/53  
Xn Harmful, R63  
Xn Harmful, R65  
R67

### 2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

#### Hazardous components which must be listed on the label:

- Bromoxynil
- Ioxynil
- Solvent Naphtha (petroleum), heavy aromatic



**Signal word:** Danger

#### Hazard statements

|        |   |
|--------|---|
| H302   | Harmful if swallowed.   |
| H304   | May be fatal if swallowed and enters airways.   |
| H315   | Causes skin irritation.   |
| H317   | May cause an allergic skin reaction.  |
| H319   | Causes serious eye irritation.  |
| H336   | May cause drowsiness or dizziness.  |
| H361d  | Suspected of damaging the unborn child.   |
| H410   | Very toxic to aquatic life with long lasting effects.                                     |
| EUH401 | To avoid risks to human health and the environment, comply with the instructions for use. |

#### Precautionary statements

|             |   |
|-------------|---|
| P280        | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P308 + P311 | IF exposed or concerned: Call a POISON CENTER or doctor/ physician.   |
| P501        | Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. |

### 2.3 Other hazards

No other hazards known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Chemical nature

Emulsifiable concentrate (EC)

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Bromoxynil/loxynil 200:200 g/l

**Hazardous components**

R-phrases according to EC directive 67/548/EEC

Hazard statements according to Regulation (EC) No. 1907/2006

| Name  | CAS-No. /<br>EC-No.     | Classification  |  | Conc. [%]          |
|---|-------------------------|---|--|--------------------|
|   |                         | EC Directive<br>67/548/EEC                              | Regulation (EC) No<br>1272/2008  |                    |
| Bromoxynil<br>octanoate                           | 1689-99-2<br>216-885-3  | Repr.Cat.3 R63<br>T; R23<br>Xn; R22<br>R43<br>N; R50/53 | Repr. 2, H361d<br>Acute Tox. 3, H331<br>Acute Tox. 4, H302<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 | 25.10              |
| loxynil octanoate                                 | 3861-47-0<br>223-375-4  | Repr.Cat.3 R63<br>T; R25<br>Xi; R36<br>R43<br>N; R50/53 | Repr. 2, H361d<br>Acute Tox. 3, H301<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 | 23.10              |
| Branched calcium<br>dodecyl benzene<br>sulfonate  | 68953-96-8<br>273-234-6 | Xi; R38, R41<br>N; R51/53                               | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411   | > 0.10 - <<br>2.50 |
| 2-Methylpropan-1-<br>ol                           | 78-83-1<br>201-148-0    | R10<br>Xi; R37/38, R41<br>R67                           | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H336                                  | > 1.00 - <<br>5.00 |
| Solvent Naphtha<br>(petroleum), heavy<br>aromatic | 64742-94-5<br>265-198-5 | Xn; R65<br>R66<br>R67<br>N; R51/53                      | Asp. Tox. 1, H304<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411  | > 25.00            |

**Further information**

|                         |           |                      |
|-------------------------|-----------|----------------------|
| Bromoxynil<br>octanoate | 1689-99-2 | M-Factor: 10 (acute) |
| loxynil octanoate       | 3861-47-0 | M-Factor: 10 (acute) |

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Remove contaminated clothing immediately and dispose of safely.  |
| <b>Inhalation</b>     | Move the victim to fresh air and keep at rest. Call a physician or poison control center immediately.  |
| <b>Skin contact</b>   | Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. Call a physician or poison control center immediately. |

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|                    |  |
|--------------------|--|
| <b>Eye contact</b> | Wash off immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.                   |
| <b>Ingestion</b>   | Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting. Keep patient warm and at rest. Risk of product entering the lungs on vomiting after ingestion. Call a physician or poison control center immediately. |

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

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Local: Sensitisation, The product causes irritation of eyes, skin and mucous membranes.<br><br>Systemic: Tiredness, Thirst, Sweating, Anxiety, Hyperventilation, Tachycardia, Muscle rigidity, Hyperthermia |
|-----------------|---|

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

|                  |  |
|------------------|--|
| <b>Treatment</b> | Local treatment: Initial treatment: symptomatic.<br><br>Systemic treatment: Initial treatment: symptomatic. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. In case of hyperthermia physical cooling is advisable; in case of muscle rigidity muscle relaxants and mechanical ventilation may support in counteracting hyperthermia. There is no specific antidote. |
|------------------|--|

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

|                   |  |
|-------------------|--|
| <b>Suitable</b>   | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| <b>Unsuitable</b> | High volume water jet  |

|  |   |
|--|---|
| <b>5.2 Special hazards arising from the substance or mixture</b> | Dangerous gases are evolved in the event of a fire. |
|--|---|

**5.3 Advice for firefighters**

|   |  |
|---|--|
| <b>Special protective equipment for fire-fighters</b> | In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. |
|---|--|

|                            |   |
|----------------------------|---|
| <b>Further information</b> | 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 diking area with sand or earth. |
|----------------------------|---|

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

|                    |   |
|--------------------|---|
| <b>Precautions</b> | Keep people away from and upwind of spill/leak. Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. |
|--------------------|---|

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**6.2 Environmental precautions**

Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

**6.3 Methods and materials for containment and cleaning up****Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water.

**Additional advice**

Check also for any local site procedures.

**6.4 Reference to other sections**

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling****Advice on safe handling**

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

**Advice on protection against fire and explosion**

Keep away from heat and sources of ignition. Vapours may form explosive mixture with air. Take measures to prevent the build up of electrostatic charge. Use only explosion-proof equipment.

**Hygiene measures**

When using, do not eat, drink or smoke. Remove soiled clothing immediately and clean thoroughly before using again. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Wash hands immediately after work, if necessary take a shower.

**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storage areas and containers**

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

**Advice on common storage**

Keep away from food, drink and animal feedingstuffs.

**Suitable materials**

Coex EVOH (1000L IBC)

**7.3 Specific end uses**

Refer to the label and/or leaflet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

| Components           | CAS-No.   | Control parameters              | Update | Basis    |
|----------------------|-----------|---------------------------------|--------|----------|
| Bromoxynil octanoate | 1689-99-2 | 0.21 mg/m <sup>3</sup><br>(TWA) |        | OES BCS* |
| Ioxynil octanoate    | 3861-47-0 | 0.21 mg/m <sup>3</sup><br>(TWA) |        | OES BCS* |

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|                     |         |   |         |          |
|---------------------|---------|---|---------|----------|
| 2-Methylpropan-1-ol | 78-83-1 | 231 mg/m <sup>3</sup> /75 ppm<br>(STEL) | 12 2011 | EH40 WEL |
| 2-Methylpropan-1-ol | 78-83-1 | 154 mg/m <sup>3</sup> /50 ppm<br>(TWA)  | 12 2011 | EH40 WEL |

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

**Additional advice**

Observe: Exposure Limits In Air, Group 3: 100 mg/m<sup>3</sup>/ 20 ppm. (aromatic-rich hydrocarbon mixes with > 25% aromatics TRGS 901, No. 72).

**8.2 Exposure controls**

**Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.**

**Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

Wear respirator with an organic vapours and gas filter mask (protection factor 10) conforming to EN140 type A or equivalent. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

**Hand protection**

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

**Eye protection**

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

**Skin and body protection**

Wear standard coveralls and Category 3 Type 4 suit.  
If there is a risk of significant exposure, consider a higher protective type suit.  
Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.  
If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

|               |               |
|---------------|---------------|
| <b>Form</b>   | liquid, clear |
| <b>Colour</b> | brown         |
| <b>Odour</b>  | aromatic      |

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|---|--|
| <b>pH</b>                                     | 3.0 - 5.0 at 1 % (23 °C) (deionized water)                   |
| <b>Flash point</b>                            | 61 °C  |
| <b>Ignition temperature</b>                   | 510 °C   |
| <b>Upper explosion limit</b>                  | 7.00 %(V)<br>The data refer to solvent naphtha petroleum.    |
| <b>Lower explosion limit</b>                  | 0.8 %(V)<br>The data refer to solvent naphtha petroleum.     |
| <b>Relative vapour density</b>                | 1.00<br>The data refer to solvent naphtha petroleum.         |
| <b>Density</b>                                | ca. 1.15 g/cm <sup>3</sup> at 20 °C                          |
| <b>Water solubility</b>                       | miscible   |
| <b>Partition coefficient: n-octanol/water</b> | Bromoxynil octanoate: log Pow: 5.4                           |
| <b>Viscosity, kinematic</b>                   | 4.05 mm <sup>2</sup> /s at 40 °C                             |
| <b>Surface tension</b>                        | 33 mN/m  |
| <b>Oxidizing properties</b>                   | No oxidizing properties                                      |
| <b>Explosivity</b>                            | Not explosive  |
| <b>9.2 Other information</b>                  | Further safety related physical-chemical data are not known. |

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**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity****Thermal decomposition** Stable under normal conditions.**10.2 Chemical stability** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.**10.4 Conditions to avoid** Extremes of temperature and direct sunlight.**10.5 Incompatible materials** Store only in the original container.**10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute oral toxicity** LD50 (rat) 500 mg/kg**Acute inhalation toxicity** LC50 (rat) > 5.06 mg/l  
Exposure time: 4 h  
Test conducted with a similar formulation.**Acute dermal toxicity** LD50 (rat) > 4,000 mg/kg**Skin irritation** Irritating to skin. (rabbit)

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|                       |   |
|-----------------------|---|
| <b>Eye irritation</b> | Irritating to eyes. (rabbit)  |
| <b>Sensitisation</b>  | Sensitising (mouse)<br>OECD Test Guideline 429, local lymph node assay (LLNA) |

**Assessment repeated dose toxicity**

Bromoxynil octanoate caused specific target organ toxicity in experimental animal studies in the following organ(s): liver. The observed effects do not appear to be relevant for humans.

loxynil octanoate caused specific target organ toxicity in experimental animal studies in the following organ(s): blood, liver. The observed effects do not appear to be relevant for humans.

**Assessment Mutagenicity**

Bromoxynil octanoate was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

loxynil octanoate was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

**Assessment Carcinogenicity**

Bromoxynil octanoate caused at high dose levels an increased incidence of tumours in the following organ(s): liver. The mechanism of tumour formation is not considered to be relevant to man.

loxynil octanoate caused at high dose levels an increased incidence of tumours in the following organ(s): thyroid, liver. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

**Assessment toxicity to reproduction**

Bromoxynil octanoate did not cause reproductive toxicity in a two-generation study in rats.

loxynil octanoate was not a reproductive toxicant at non-maternally toxic dose levels in a two-generation study in rats. loxynil octanoate caused a reduced litter size and a reduced pup weight. The reproduction toxicity seen with loxynil octanoate is related to parental toxicity.

**Assessment developmental toxicity**

Bromoxynil octanoate caused a delayed foetal growth, an increased incidence of non-specific malformations. Bromoxynil octanoate caused developmental toxicity only at dose levels toxic to the dams.

loxynil octanoate caused developmental toxicity only at dose levels toxic to the dams. loxynil octanoate caused a delayed ossification of foetuses. The developmental effects seen with loxynil octanoate are related to maternal toxicity.

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**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

|  |  |
|--|--|
| <b>Toxicity to fish</b>                  | LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 0.11 mg/l<br>Exposure time: 96 h<br>Test conducted with a similar formulation.   |
| <b>Toxicity to aquatic invertebrates</b> | EC50 (Water flea ( <i>Daphnia magna</i> )) 0.018 mg/l<br>Exposure time: 48 h<br>Test conducted with a similar formulation.   |
| <b>Toxicity to aquatic plants</b>        | EC50 ( <i>Navicula pelliculosa</i> ) 0.043 mg/l<br>Exposure time: 120 h<br>The value mentioned relates to the active ingredient bromoxynil octanoate.<br>EC50 ( <i>Lemna gibba</i> (duckweed)) 0.073 mg/l<br>The value mentioned relates to the active ingredient bromoxynil |



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octanoate.

EC50 (Navicula pelliculosa) 0.24 mg/l

Exposure time: 96 h

The value mentioned relates to the active ingredient ioxynil-octanoate.

EC50 (Lemna gibba (duckweed)) 0.027 mg/l

The value mentioned relates to the active ingredient ioxynil-octanoate.

**12.2 Persistence and degradability****Biodegradability**Bromoxynil octanoate:  
not rapidly biodegradable  
ioxynil:  
not rapidly biodegradable**Koc**Bromoxynil octanoate: Koc: 639  
ioxynil: Koc: 339**12.3 Bioaccumulative potential****Bioaccumulation**Bromoxynil octanoate: Bioconcentration factor (BCF) 230  
Does not bioaccumulate.  
ioxynil: Bioconcentration factor (BCF) 21  
Does not bioaccumulate.**12.4 Mobility in soil****Mobility in soil**Bromoxynil octanoate: Slightly mobile in soils  
ioxynil: Moderately mobile in soils**12.5 Results of PBT and vPvB assessment****PBT and vPvB assessment**Bromoxynil octanoate: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).  
ioxynil: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).**12.6 Other adverse effects****Additional ecological information**

No other effects to be mentioned.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****Product**

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

**Contaminated packaging**Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.  
Add washings to sprayer at time of filling.

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Dispose of empty and cleaned packaging safely.  
Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.  
Return large containers to supplier.  
Follow advice on product label and/or leaflet.

**Waste key for the unused product**      **020108** agrochemical waste containing dangerous substances

**SECTION 14: TRANSPORT INFORMATION****ADR/RID/ADN**

|                                 |   |
|---------------------------------|---|
| 14.1 UN number                  | <b>3082</b>   |
| 14.2 Proper shipping name       | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(BROMOXYNIL, IOXYNIL SOLUTION) |
| 14.3 Transport hazard class(es) | 9   |
| 14.4 Packing group              | III   |
| 14.5 Environm. Hazardous Mark   | YES   |
| Hazard no.                      | 90  |
| Tunnel Code                     | E   |

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**IMDG**

|                                 |   |
|---------------------------------|---|
| 14.1 UN number                  | <b>3082</b>   |
| 14.2 Proper shipping name       | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(BROMOXYNIL, IOXYNIL SOLUTION) |
| 14.3 Transport hazard class(es) | 9   |
| 14.4 Packing group              | III   |
| 14.5 Marine pollutant           | YES   |

**IATA**

|                                 |  |
|---------------------------------|--|
| 14.1 UN number                  | <b>3082</b>  |
| 14.2 Proper shipping name       | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(BROMOXYNIL, IOXYNIL SOLUTION ) |
| 14.3 Transport hazard class(es) | 9  |
| 14.4 Packing group              | III  |
| 14.5 Environm. Hazardous Mark   | YES  |

**UK 'Carriage' Regulations**

|                                 |   |
|---------------------------------|---|
| 14.1 UN number                  | <b>3082</b>   |
| 14.2 Proper shipping name       | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.<br>(BROMOXYNIL, IOXYNIL SOLUTION) |
| 14.3 Transport hazard class(es) | 9   |
| 14.4 Packing group              | III   |
| 14.5 Environm. Hazardous Mark   | YES   |
| Emergency action code           | 3Z  |

**14.6 Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.



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### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No transport in bulk according to the IBC Code.

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## SECTION 15: REGULATORY INFORMATION

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

#### UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

#### Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)

Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

#### Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009

Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)

EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits

Control of Pesticide Regulations 1986

Dangerous Substances and Explosive Atmospheres Regulations 2002

#### Waste Treatment

Environmental Protection Act 1990, Part II

Environmental Protection (Duty of Care) Regulations 1991

The Waste Management Licensing Regulations 1994 (as amended)

Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)

Landfill Directive

Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Water Resources Act 1991

Anti-Pollution Works Regulations 1999

#### Further information

WHO-classification: II (Moderately hazardous)

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

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## SECTION 16: OTHER INFORMATION

### Text of R-phrases mentioned in Section 3

|        |  |
|--------|--|
| R10    | Flammable.                                 |
| R22    | Harmful if swallowed.                      |
| R23    | Toxic by inhalation.                       |
| R25    | Toxic if swallowed.                        |
| R36    | Irritating to eyes.                        |
| R37/38 | Irritating to respiratory system and skin. |
| R38    | Irritating to skin.                        |
| R41    | Risk of serious damage to eyes.            |



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| R43    | May cause sensitisation by skin contact.   |
| 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.  |

### Text of the hazard statements mentioned in Section 3

|       |   |
|-------|---|
| H226  | Flammable liquid and vapour.                          |
| H301  | Toxic if swallowed.                                   |
| H302  | Harmful if swallowed.                                 |
| H304  | May be fatal if swallowed and enters airways.         |
| H315  | Causes skin irritation.                               |
| H317  | May cause an allergic skin reaction.                  |
| H318  | Causes serious eye damage.                            |
| H319  | Causes serious eye irritation.                        |
| H331  | Toxic if inhaled.                                     |
| H335  | May cause respiratory irritation.                     |
| H336  | May cause drowsiness or dizziness.                    |
| H361d | Suspected of damaging the unborn child.               |
| H400  | Very toxic to aquatic life.                           |
| H410  | Very toxic to aquatic life with long lasting effects. |
| H411  | Toxic to aquatic life with long lasting effects.      |

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

**Reason for Revision:** Safety Data Sheet according to Regulation (EU) No. 453/2010.

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