



## MOVENTO

Version 1 / GB  
102000061745

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

#### 1.1 Product identifier

Trade name MOVENTO  
Product code (UVP) 90050340

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

Use Insecticide

#### 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: gb-bcs-crop-regulatory-affairs@bayer.com

#### 1.4 Emergency telephone no.

Emergency telephone no. 0330 678 3382 (24 hr)

For Medical Professionals:  
You can also contact the relevant NPIS.

For Members to the Public: You can contact NHS111.

National Poisons Information Centre UK: 0344 892 0111

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### 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.**

Reproductive toxicity: Category 2  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Skin sensitisation: Category 1  
H317 May cause an allergic skin reaction.

Eye irritation: Category 2



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H319 Causes serious eye irritation.

Long-term (chronic) aquatic hazard: Category 2

H411 Toxic to aquatic life with long lasting effects.

### 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:**

- Spirotetramat



**Signal word:** Warning

### Hazard statements

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H411 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/ 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 additional hazards known beside those mentioned.

Spirotetramat: 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). 2-

Ethylhexanol propylene ethyleneglycol ether: Not applicable

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

##### Chemical nature

Oil dispersion (OD)  
Spirotetramat 150 g/l

##### Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. / EC-No. / REACH Reg. No.	Classification	Conc. [%]
		REGULATION (EC) No 1272/2008	
Spirotetramat	203313-25-1	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Repr. 2, H361fd STOT SE 3, H335 Aquatic Chronic 1, H410	15.31
2-Ethylhexanol propylene ethyleneglycol ether	64366-70-7	Acute Tox. 4, H332 Aquatic Chronic 3, H412	> 1 – < 25
2,6-Di-tert-butyl-4-methylphenol	128-37-0 01-2119555270-46-xxxx 01-2119565113-46-XXXX 01-2119480433-40-XXXX	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	> 0.1 – < 2.5
Sunflower oil	8001-21-6	Not classified	> 1

##### Further information

For the full text of the H-Statements mentioned in this Section, see Section 16.

##### Particle characteristics

This substance/ mixture does not contain nanoforms

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General advice

Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

##### Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.

##### Skin contact

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.



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**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If eye irritation or redness persists, see an ophthalmologist.

**Ingestion** Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

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

**Symptoms** No symptoms known or expected.

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

**Treatment** Treat symptomatically. 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. There is no specific antidote.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable** Water spray, Carbon dioxide (CO<sub>2</sub>), Foam, Sand

**Unsuitable** High volume water jet

**5.2 Special hazards arising from the substance or mixture** In the event of fire the following may be released: Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

**Special protective equipment for firefighters** In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

**Further information** Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**Precautions** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water.

### 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). Collect and transfer the product into a properly labelled and tightly closed container. Rinse away rest with plenty of water.



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**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** Use only in area provided with appropriate exhaust ventilation.

**Advice on protection against fire and explosion** No special precautions required.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

### 7.2 Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

**Suitable materials** HDPE (high density polyethylene)  
HDPE - steel case  
Only IBC 1000 liter are recommended as bulk container for re-filling.

**7.3 Specific end use(s)** Refer to the label and/or leaflet.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Spirotetramat	203313-25-1	1.4 mg/m <sup>3</sup> (SK-SEN)		OES BCS*
2,6-Di-tert-butyl-4-methylphenol	128-37-0	10 mg/m <sup>3</sup> (TWA)	2007	EH40 WEL
2,6-Di-tert-butyl-4-methylphenol	128-37-0	2 mg/m <sup>3</sup> (TLV)		OES BCS*
Sunflower oil (Respirable dust.)	8001-21-6	4 mg/m <sup>3</sup> (TWA)	01 2020	EH40 WEL
Sunflower oil (Inhalable dust.)	8001-21-6	10 mg/m <sup>3</sup> (TWA)	01 2020	EH40 WEL

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

### 8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment))



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**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

Respiratory protection is not required under anticipated circumstances of exposure.  
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

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. 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.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6
Directive	Protective gloves complying with EN 374.

#### 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Form	dispersion
Colour	light beige to light brown
Odour	weak, characteristic
Odour Threshold	No data available



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<b>Melting point/ range</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flammability</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Flash point</b>	> 100 °C
<b>Auto-ignition temperature</b>	No data available
<b>Self-accelarating decomposition temperature (SADT)</b>	No data available
<b>pH</b>	4.0 - 6.0 (1 %) (23 °C) (deionized water)
<b>Viscosity, dynamic</b>	<= 1,300 mPa.s (20 °C) Velocity gradient 7.5 /s
<b>Viscosity, kinematic</b>	No data available
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	Spirotetramat: log Pow: 2.5(pH 7)  2-Ethylhexanol propylene ethyleneglycol ether: No data available
<b>Vapour pressure</b>	No data available
<b>Density</b>	ca. 0.98 g/cm <sup>3</sup> (20 °C)
<b>Relative density</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Assessment nano particles</b>	This substance/ mixture does not contain nanoforms
<b>Particle size</b>	No data available
<b>9.2 Other information</b>	
<b>Explosivity</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Other physico-chemical properties</b>	Further safety related physical-chemical data are not known.

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## SECTION 10: STABILITY AND REACTIVITY



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

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in regulation (EC) No 1272/2008

<b>Acute oral toxicity</b>	LD50 (Rat) > 2,000 mg/kg Test conducted with a similar formulation.
<b>Acute inhalation toxicity</b>	LC50 (Rat) > 0.842 mg/l Exposure time: 4 h Determined in the form of a respirable aerosol. Highest attainable concentration. Test conducted with a similar formulation.
<b>Acute dermal toxicity</b>	LD50 (Rat) > 2,000 mg/kg Test conducted with a similar formulation.
<b>Skin corrosion/irritation</b>	No skin irritation (Rabbit) Test conducted with a similar formulation.
<b>Serious eye damage/eye irritation</b>	Irritating to eyes. (Rabbit) Test conducted with a similar formulation.
<b>Respiratory or skin sensitisation</b>	Skin: Sensitising (Guinea pig) OECD Test Guideline 406, Buehler test Test conducted with a similar formulation.

### Assessment STOT Specific target organ toxicity – single exposure

Spirotetramat: May cause respiratory irritation.

2-Ethylhexanol propylene ethyleneglycol ether: Based on available data, the classification criteria are not met.

### Assessment STOT Specific target organ toxicity – repeated exposure

Spirotetramat did not cause specific target organ toxicity in experimental animal studies.

2-Ethylhexanol propylene ethyleneglycol ether: Based on available data, the classification criteria are not met.

### Assessment mutagenicity

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

2-Ethylhexanol propylene ethyleneglycol ether is not considered mutagenic.





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### Assessment carcinogenicity

Spirotetramat was not carcinogenic in lifetime feeding studies in rats and mice.  
2-Ethylhexanol propylene ethyleneglycol ether: Based on available data, the classification criteria are not met.

### Assessment toxicity to reproduction

Spirotetramat caused male reproductive toxicity in the presence of general toxicity in the rat at very high experimental dose levels. There were no effects on male fertility in mice and dogs. The reproductive toxicity seen with Spirotetramat is due to an overwhelmed elimination capacity at high doses. The high dose levels needed for this effect cannot be achieved even in a worst case exposure scenario.  
2-Ethylhexanol propylene ethyleneglycol ether: Based on available data, the classification criteria are not met.

### Assessment developmental toxicity

Spirotetramat caused developmental toxicity only at dose levels toxic to the dams. Spirotetramat caused a delayed foetal growth, an increased incidence of variations.  
2-Ethylhexanol propylene ethyleneglycol ether: This information is not available.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

**Assessment** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Toxicity to fish**

LC50 (Oncorhynchus mykiss (rainbow trout)) 2.54 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient spirotetramat.

LC50 (Lepomis macrochirus (Bluegill sunfish)) 2.2 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient spirotetramat.

LC50 (Cyprinus carpio (Carp)) 2.59 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient spirotetramat.

LC50 (Cyprinodon variegatus (sheepshead minnow)) 1.96 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient spirotetramat.

**Chronic toxicity to fish**

Pimephales promelas (fathead minnow)  
NOEC: 0.534 mg/l  
Exposure time: 33 d  
The value mentioned relates to the active ingredient spirotetramat.



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<b>Toxicity to aquatic invertebrates</b>	EC50 ( <i>Daphnia magna</i> (Water flea)) > 42.7 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient spirotetramat.
	LC50 ( <i>Chironomus riparius</i> (non-biting midge)) 1.38 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient spirotetramat.
	EC50 ( <i>Crassostrea virginica</i> (Eastern Oyster)) 0.85 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient spirotetramat.
	EC50 ( <i>Mysids</i> ( <i>Americamysis bahia</i> )) 5.5 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient spirotetramat.
<b>Chronic toxicity to aquatic invertebrates</b>	NOEC ( <i>Daphnia magna</i> (Water flea)): 2 mg/l Exposure time: 21 d The value mentioned relates to the active ingredient spirotetramat.
	NOEC ( <i>Chironomus riparius</i> (non-biting midge)): 0.1 mg/l Exposure time: 21 d The value mentioned relates to the active ingredient spirotetramat.
<b>Toxicity to aquatic plants</b>	ErC50 ( <i>Anabaena flos-aquae</i> (cyanobacterium)) 15.2 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient spirotetramat.
	ErC50 ( <i>Navicula pelliculosa</i> (Freshwater diatom)) 4.05 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient spirotetramat.
	EbC50 ( <i>Lemna gibba</i> (gibbous duckweed)) 4.49 mg/l Exposure time: 7 h The value mentioned relates to the active ingredient spirotetramat.
	EbC50 ( <i>Skeletonema costatum</i> ) 0.36 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient spirotetramat.

**12.2 Persistence and degradability**

<b>Biodegradability</b>	Spirotetramat: Not rapidly biodegradable 2-Ethylhexanol propylene ethyleneglycol ether: Not readily biodegradable.
<b>Koc</b>	Spirotetramat: Koc: 289 2-Ethylhexanol propylene ethyleneglycol ether: No data available

**12.3 Bioaccumulative potential**

<b>Bioaccumulation</b>	Spirotetramat: Does not bioaccumulate. 2-Ethylhexanol propylene ethyleneglycol ether: No data available
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**12.4 Mobility in soil**



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**Mobility in soil** Spirotetramat: Moderately mobile in soils  
2-Ethylhexanol propylene ethyleneglycol ether: No data available

### 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment** Spirotetramat: 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).  
2-Ethylhexanol propylene ethyleneglycol ether: Not applicable

### 12.6 Endocrine disrupting properties

**Assessment** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Additional ecological information** No other effects to be mentioned.

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## 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.

**Contaminated packaging** Do not re-use empty containers.  
Triple rinse containers.  
Not completely emptied packagings should be disposed of as hazardous waste.

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## 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. (SPIROTETRAMAT SOLUTION)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90
Tunnel Code	-

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.



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14.3 Transport hazard class(es) 9  
14.4 Packing group III  
14.5 Marine pollutant YES

### IATA

14.1 UN number **3082**  
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROTETRAMAT 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 **3082**  
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SPIROTETRAMAT 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.

### 14.7 Transport in bulk according to IMO instruments

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



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### 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: III (Slightly hazardous)

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## SECTION 16: OTHER INFORMATION

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

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EH40 WEL	Worker Exposure Limit
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified



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NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SI	Statutory Instrument
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

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.

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