

Version 1 / IRL 102000030357

1/14 Revision Date: 11.12.2024 Print Date: 16.01.2025

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

1.1 Product identifier			
Trade name	INCELO		
UFI	CUV0-50DN-V00C-5GV9		
Product code (UVP)	84422045		
1.2 Relevant identified uses of	of the substance or mixture and uses advised against		
Use	Herbicide		
Restrictions on use	See product label for restrictions.		
1.3 Details of the supplier of Supplier	the safety data sheet Bayer CropScience Ltd Bayer Ltd 1st Floor, The Grange Offices The Grange, Brewery Road Stillorgan A94 H2K7 Co. Dublin Ireland		
Telephone	+353 1 216 3300		
Responsible Department	Email: gb-bcs-crop-regulatory-affairs@bayer.com		
1.4 Emergency telephone no			
Emergency telephone no.	+44 330 678 3382 (24 hr) (charged as a standard international call to the UK)		
	For Medical Professionals and Members of the Public:		

You can also contact the relevant NPIS.

National Poisons Information Centre Dublin: 01 809 2166

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.

Eye irritation: Category 2H319Causes serious eye irritation.Short-term (acute) aquatic hazard: Category 1H400Very toxic to aquatic life.



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Long-term (chronic) aquatic hazard: Category 1 H410 Very 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:

- Mesosulfuron-methyl
- Thiencarbazone-methyl
- Mefenpyr-diethyl



Signal word: Warning

Hazard statements

H319	Causes serious eye irritation.
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 P305 + P351 + P338 P337 + P313	Wear protective gloves/ protective clothing/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.
P391	Collect spillage.
P501	Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site, except for triple rinsed empty containers which can be disposed of as non-hazardous waste.

2.3 Other hazards

No additional hazards known beside those mentioned.

Mesosulfuron-methyl: 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). Thiencarbazone-methyl: 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). Mefenpyr-diethyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Polyarylphenylether sulfate, ammonium salt: This substance is not considered to be very persistent and very bioaccumulative and toxic (PBT). This substance is not considered is not considered to be very persistent and very bioaccumulative (vPvB).

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.



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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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Water dispersible granules (WG) Mesosulfuron-methyl 4,5 %; Thiencarbazone-methyl 1,5 %, Mefenpyr-diethyl 11,25 %

Hazardous components

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

Name	CAS-No. / EC-No. /	Classification REGULATION (EC) No	Conc. [%]
	REACH Reg. No.	1272/2008	
Mesosulfuron-methyl	208465-21-8	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	4.5
Thiencarbazone-methyl	317815-83-1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	1.5
Mefenpyr-diethyl	135590-91-9 603-923-2 01-2119480146-39-0000	Aquatic Chronic 2, H411	11.25
Reaction product of naphthalene, propan-2-ol, sulfonated and neutralized by caustic soda	1322-93-6 939-368-0 01-2119969954-16-XXXX	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Dam. 1, H318 STOT SE 3, H335	> 1 - < 10
Alkylnaphthalenesulfonic acid, polymer with formaldehyde, sodium salt	68425-94-5	Eye Irrit. 2, H319 Aquatic Chronic 3, H412	> 25
cPoly(oxy-1,2-ethanediyl), .alphasulfoomega [2,4,6-tris(1- phenylethyl)phenoxy]-, ammonium salt	119432-41-6	Aquatic Chronic 3, H412	> 2.5 - < 25
Synthetic amorphous silica	112926-00-8 231-545-4 01-2119379499-16-XXXX	Not classified	> 1.0

Further information

Mesosulfuron- methylMesosulfuron- methyl	208465-21-8	M-Factor: 100 (acute), 100 (chronic)
Thiencarbazone-methyl	317815-83-1	M-Factor: 1,000 (acute), 1,000 (chronic)

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

Particle characteristics



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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. Move the victim to fresh air and keep at rest. Place and transport victim Inhalation in stable position (lying sideways). 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. Get medical attention if irritation develops and persists. 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. Get medical attention if irritation develops and persists. Ingestion Do NOT induce vomiting. Rinse mouth. 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 Treat symptomatically. In case of ingestion gastric lavage should be Treatment 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	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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 chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide (CO), Carbon dioxide (CO2), Sulphur oxides, Nitrogen oxides (NOx)
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.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, prot	ective equipment and emergency procedures		
Precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with spilled product or contaminated surfaces.		
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	Use mechanical handling equipment. Avoid dust formation. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.		

6.4 Reference to other	Information regarding safe handling, see section 7.		
sections	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	Avoid dust formation. Use only in area provided with appropriate exhaust ventilation.		
Advice on protection against fire and explosion	Keep away from heat and sources of ignition.		
Hygiene measures	Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).		
7.2 Conditions for safe storag	e, 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. Protect from frost.		
Suitable materials	HDPE (high density polyethylene) Coex HDPE/EVOH Coex HDPE/PA Aluminium composite film (min. 0,007 mm Aluminium)		
7.3 Specific end use(s)	Refer to the label and/or leaflet.		

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters



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Components	CAS-No.	Control parameters	Update	Basis
Mesosulfuron-methyl	208465-21-8	10 mg/m3 (TWA)		OES BCS*
Thiencarbazone-methyl	317815-83-1	10 mg/m3 (TWA)		OES BCS*
Mefenpyr-diethyl	135590-91-9	10 mg/m3 (TWA)		OES BCS*
Synthetic amorphous silica	112926-00-8	6 mg/m3 (TWA)	01 2020	ELV (IE)
(Total inhalable dust.)				
Synthetic amorphous silica	112926-00-8	2.4 mg/m3 (TWA)	01 2020	ELV (IE)
(Respirable dust.)				
Synthetic amorphous silica	112926-00-8	10 mg/m3 (TWA)	01 2020	ELV (IE)
(Total inhalable dust.)				
Synthetic amorphous silica	112926-00-8	4 mg/m3 (TWA)	01 2020	ELV (IE)
(Respirable dust.)				

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

8.2 Exposure controls

Personal protective equipment

Formulated product

Respiratory protection	Wear respirator with a particle filter mask (protection fact conforming to European Norm EN149FFP1 or equivalen Respiratory protection should only be used to control res short duration activities, when all reasonably practicable been taken to reduce exposure at source e.g. containme local extract ventilation. Always follow respirator manufa instructions regarding wearing and maintenance.		
Hand protection	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gle Also take into consideration the specific local conditions under the product is used, such as the danger of cuts, abrasion, and contact time.Wash gloves when contaminated. Dispose of when contamination inside, when perforated or when contamination on the outside be removed. Wash hands frequently and always before eating drinking, smoking or using the toilet.MaterialNitrile rubber Rate of permeability Glove thickness > 0.4 mm Protective index		
	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 5 suit. If there is a risk of significant exposure, consider a higher protective type suit.		



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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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical propertie
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Form	water-dispersible granules
Colour	brown
Odour	odourless
Odour Threshold	No data available
Melting point/ range	No data available
Boiling Point	
	Not applicable
Flammability	does not ignite
Upper explosion limit	Not applicable
Lower explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	170 °C
Ignition temperature	The product is not self-ignitable.
Minimum ignition energy	Not applicable
Self-accelarating decomposition temperature (SADT)	No data available
рН	7.5 - 9.5 (1 %) (23 °C) (deionized water)
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Water solubility	dispersible
Partition coefficient: n- octanol/water	Mesosulfuron-methyl: log Pow: -0.48
	Thiencarbazone-methyl: log Pow: -0.13
	Mefenpyr-diethyl: log Pow: 3.83 (21 °C)
	Polyarylphenylether sulfate, ammonium salt: No data available
Vapour pressure	No data available
Density	No data available
-	



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Relative density	No data available
Bulk density	0.62 g/ml (loose)
Relative vapour density	No data available
Assessment nano particles	This substance/ mixture does not contain nanoforms
9.2 Other information	
Explosivity	Not explosive Regulation (EC) No. 440/2008, Annex, A.14
Oxidizing properties	No oxidizing properties
Evaporation rate	Not applicable
Other physico-chemical properties	Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Self heating 10.2 Chemical stability	Stable under normal conditions. not self-heating 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.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute oral toxicity	LD50 (Rat) > 5,000 mg/kg
Acute inhalation toxicity	LC50 (Rat) > 5.09 mg/l Exposure time: 4 h Determined in the form of a respirable fine dust. highest concentration tested
Acute dermal toxicity	LD50 (Rat) > 5,000 mg/kg
Skin corrosion/irritation	Slight irritant effect - does not require labelling. (Rabbit)
Serious eye damage/eye	Irritating to eyes. (Rabbit)



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irritation

Respiratory or skin	Skin: Non-sensitizing. (Mouse)
sensitisation	OECD Test Guideline 429, local lymph node assay (LLNA)

Assessment STOT Specific target organ toxicity - single exposure

Mesosulfuron-methyl: Based on available data, the classification criteria are not met. Thiencarbazone-methyl: Based on available data, the classification criteria are not met. Mefenpyr-diethyl: Based on available data, the classification criteria are not met. Polyarylphenylether sulfate, ammonium salt: Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity – repeated exposure

Mesosulfuron-methyl did not cause specific target organ toxicity in experimental animal studies. Thiencarbazone-methyl did not cause specific target organ toxicity in experimental animal studies. Mefenpyr-diethyl did not cause specific target organ toxicity in experimental animal studies. Polyarylphenylether sulfate, ammonium salt: Based on available data, the classification criteria are not met.

Assessment mutagenicity

Mesosulfuron-methyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests. Thiencarbazone-methyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests. Mefenpyr-diethyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests. Polyarylphenylether sulfate, ammonium salt: This information is not available. Not mutagenic in Ames Test.

Assessment carcinogenicity

Mesosulfuron-methyl was not carcinogenic in lifetime feeding studies in rats and mice. Thiencarbazone-methyl was not carcinogenic in a lifetime feeding study in rats. Thiencarbazone-methyl caused at high dose levels an increased incidence of tumours in mice in the following organ(s): urinary bladder. The tumours seen with Thiencarbazone-methyl were caused through the chronic irritation due to the presence of bladder stones.

Mefenpyr-diethyl was not carcinogenic in lifetime feeding studies in rats and mice. Polyarylphenylether sulfate, ammonium salt: This information is not available.

Assessment toxicity to reproduction

Mesosulfuron-methyl did not cause reproductive toxicity in a two-generation study in rats. Thiencarbazone-methyl did not cause reproductive toxicity in a two-generation study in rats. Mefenpyr-diethyl did not cause reproductive toxicity in a two-generation study in rats. Polyarylphenylether sulfate, ammonium salt: This information is not available.

Assessment developmental toxicity

Mesosulfuron-methyl did not cause developmental toxicity in rats and rabbits. Thiencarbazone-methyl did not cause developmental toxicity in rats and rabbits. Mefenpyr-diethyl caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Mefenpyr-diethyl are related to maternal toxicity. Polyarylphenylether sulfate, ammonium salt is not considered a developmental toxicant.

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



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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.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity		
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) > 100 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient mesosulfuron- methyl.	
	LC50 (Oncorhynchus mykiss (rainbow trout)) > 104 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient thiencarbazone- methyl.	
	LC50 (Oncorhynchus mykiss (rainbow trout)) 4.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient mefenpyr-diethyl.	
	LC50 (Cyprinus carpio (Carp)) 2.4 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient mefenpyr-diethyl.	
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) > 100 mg/l semi-static test; Exposure time: 48 h	
Toxicity to aquatic plants	ErC50 (Lemna gibba (gibbous duckweed)) 0.0183 mg/l semi-static test; Exposure time: 7 d	
	ErC50 (Raphidocelis subcapitata (freshwater green alga)) 52.9 mg/l Growth rate; Exposure time: 96 h	
12.2 Persistence and degradability		
Biodegradability	Mesosulfuron-methyl: Not rapidly biodegradable Thiencarbazone-methyl: Not rapidly biodegradable Mefenpyr-diethyl: Not rapidly biodegradable Polyarylphenylether sulfate, ammonium salt: Not readily biodegradable.	
Кос	Mesosulfuron-methyl: Koc: 92 Thiencarbazone-methyl: Koc: 100 Mefenpyr-diethyl: Koc: 625 Polyarylphenylether sulfate, ammonium salt:No data available	
12.3 Bioaccumulative potential		
Bioaccumulation	Mesosulfuron-methyl: Does not bioaccumulate. Thiencarbazone-methyl:	

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12.4 Mobility in soil	Does not bioaccumulate. Mefenpyr-diethyl: Bioconcentration factor (BCF) 232 Does not bioaccumulate. Polyarylphenylether sulfate, ammonium salt: No data available	
Mobility in soil	Mesosulfuron-methyl: Moderately mobile in soils Thiencarbazone-methyl: Moderately mobile in soils Mefenpyr-diethyl: Slightly mobile in soils Polyarylphenylether sulfate, ammonium salt: No data available	
12.5 Results of PBT and vPvE	3 assessment	
PBT and vPvB assessment	Mesosulfuron-methyl: 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). Thiencarbazone-methyl: 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). Mefenpyr-diethyl: 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). Polyarylphenylether sulfate, ammonium salt: 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 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.	

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	Triple rinse containers. Do not re-use empty containers. Not completely emptied packagings should be disposed of as hazardous waste.
Waste key for the unused product	02 01 08* agrochemical waste containing hazardous substances



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SECTION 14: TRANSPORT INFORMATION

ADR/RID/ADN

14.1 UN number 14.2 Proper shipping name	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MESOSULFURON-METHYL, THIENCARBAZONE-METHYL MIXTURE)
14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environm. Hazardous Mark Hazard no.	9 III YES 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 14.2 Proper shipping name	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MESOSULFURON-METHYL, THIENCARBAZONE-METHYL
14.3 Transport hazard class(es) 14.4 Packing group 14.5 Marine pollutant	MIXTURE) 9 III YES
IATA 14.1 UN number 14.2 Proper shipping name	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MESOSULFURON-METHYL, THIENCARBAZONE-METHYL MIXTURE)
14.3 Transport hazard class(es) 14.4 Packing group 14.5 Environm. Hazardous Mark	9 III YES

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.

SECTION 15: REGULATORY INFORMATION

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

Republic of Ireland Regulations

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



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Supply and Use

European Communities (Prohibition of Certain Active Substances in Plant Protection Products) Regulations 1981 (SI No 320/1981) European Communities (Authorization, Placing on the Market, Use and Control of Plant Protection Products) Regulations 2003 (SI No 83/2003) European Communities (Classification, Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations 2001 (SI No 624/2001 2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations, 2001 (SI No 619/2001)

Waste Treatment

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

Further information

WHO-classification: U (Unlikely to present acute hazard in normal use)

15.2 Chemical safety assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

Text of the hazard statements mentioned in Section 3

- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- 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.
- 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 %
- EINECS European inventory of existing commercial substances
- ELINCS European list of notified chemical substances
- ELV Exposure Limit Value
- EN European Standard
- EU European Union
- IATA International Air Transport Association
- IBC International Code for the Construction and Equipment of Ships Carrying Dangerous

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ICx	Chemicals in Bulk (IBC Code) 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
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 information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2020/878 amending Regulation (EU) No 1907/2006 and any subsequent amendments. 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.

Reason for Revision:Safety Data Sheet according to Regulation (EU) No. 2020/878.
Checked and revised for editorial purposes due to adjustments
according to the current Annex II of the REACH regulation.The following sections have been revised: Section 2: Hazards
Identification. Section 9: Physical and Chemical Properties. Section 11:
Toxicological Information. Section 12. Ecological information. Section
13. Disposal considerations.

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