

**INCELO** 1/14 Version 1 / IRL Revision Date: 16.01.2024 102000030357 Print Date: 16.01.2024

# 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 the substance or mixture and uses advised against

Herbicide

Restrictions on use See product label for restrictions.

1.3 Details of the supplier of the safety data sheet **Supplier** 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. 00800 1020 3333 (24 hr) (not available on non-contract mobile phones)

For Medical Professionals: You can also contact Dublin NPIS.

For Members of the Public: You can also contact 01 809 2166 (for Republic of Ireland).

#### **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 2

Causes serious eye irritation.

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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#### 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 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

+ P338 present and easy to do. Continue rinsing.

P337 + P313 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 (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).

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



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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. / REACH Reg. No.	Classification REGULATION (EC) No 1272/2008	Conc. [%]
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
Polyarylphenylether sulfate, 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-	208465-21-8	M-Factor: 100 (acute), 100 (chronic)
methylMesosulfuron-		
methyl		
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**

This substance/ mixture does not contain nanoforms



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#### **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 the victim to fresh air and keep at rest. Place and transport victim

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

**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.

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#### **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 (HCI), 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, protective 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

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 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.

Avoid contact with skin, eyes and clothing. Keep working clothes Hygiene measures

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 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. Protect from frost.

HDPE (high density polyethylene) Suitable materials

> 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

Components	CAS-No.	Control parameters	Update	Basis
Mesosulfuron-methyl	208465-21-8	10 mg/m3		OES BCS*



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		(TWA)		
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.)				

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

## 8.2 Exposure controls

## 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 a particle filter mask (protection factor 4) conforming to European norm EN149FFP1 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**

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 5 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



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should be professionally laundered frequently.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1 Information on basic physical and chemical properties

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

pН 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 Relative density No data available

**Bulk density** 0.62 g/ml (loose)



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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** Stable under normal conditions.

**Self heating** not self-heating

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of**No hazardous reactions when stored and handled according to

hazardous reactions 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

irritation

Irritating to eyes. (Rabbit)



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Skin: Non-sensitizing. (Mouse) Respiratory or skin

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 endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission



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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

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.

**Koc** 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: Does not bioaccumulate.

Mefenpyr-diethyl: Bioconcentration factor (BCF) 232



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Does not bioaccumulate.

Polyarylphenylether sulfate, ammonium salt:

No data available

12.4 Mobility in soil

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 vPvB 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

# **SECTION 14: TRANSPORT INFORMATION**



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ADR/RID/ADN

14.1 UN number **3077** 

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

(MESOSULFURON-METHYL, THIENCARBAZONE-METHYL

MIXTURE)

14.3 Transport hazard class(es) 9
14.4 Packaging 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 **3077** 

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

(MESOSULFURON-METHYL, THIENCARBAZONE-METHYL

MIXTURE)

14.3 Transport hazard class(es) 9
14.4 Packaging Group III
14.5 Marine pollutant YES

IATA

14.1 UN number **3077** 

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

N.O.S.

(MESOSULFURON-METHYL, THIENCARBAZONE-METHYL

MIXTURE )

14.3 Transport hazard class(es)
14.4 Packaging Group
14.5 Environm. Hazardous Mark
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.

# Supply and Use



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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

Harmful if swallowed.
Causes serious eye damage.
Causes serious eye irritation.
Harmful if inhaled.
May cause respiratory irritation.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.
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

Chemicals in Bulk (IBC Code)

ICx Inhibition concentration to x %



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IMDG International Maritime Dangerous Goods

LCx Lethal concentration to x %

LDx Lethal dose to x %

LOEC/LOEL Lowest observed effect concentration/level

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.