

SAFETY DATA SHEET

Air+Eco Spec High Opacity Undercoat

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Air+Eco Spec High Opacity Undercoat

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

Relevant identified uses of the substance or mixture

Paint or Paint related Material.

Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

Company and address

FSW Coatings Ltd.
Ballaghanea, Virginia,
A82 N267, Co Cavan,
Ireland.
353 49854 7209

E-mail

info@fsw.ie

Revision

26/05/2023

SDS Version

1.0

1.4. Emergency telephone number

The National Poisons Information Centre (NPIC)
Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm)
Healthcare professionals: +353 (0) 1 809 2566 (24 h service)
See also section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

-

2.2. Label elements

Hazard pictogram(s)

Not applicable.

Signal word

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

General

-

Prevention

-

Response

-

Storage

-

Disposal

-

Hazardous substances

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Additional labelling

EUH208, Contains reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H- isothiazol-3-one [EC no. 220- 239-6] (3:1), 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH211, Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]	CAS No.: 13463-67-7 EC No.: 236-675-5 REACH: 01-2119489379-17-XXXX Index No.: 022-006-00-2	25-40%	Carc. 2, H351	
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS No.: 2634-33-5 EC No.: 220-120-9 REACH: 01-2120761540-60-XXXX Index No.: 613-088-00-6	<0.05%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 (SCL: 0.05 %) Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1)	
reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)	CAS No.: 55965-84-9 EC No.: REACH: 01-2120764691-48-XXXX Index No.: 613-167-00-5	<0.0015%	Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Irrit. 2, H315 (SCL: 0.06 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 (SCL: 0.60 %) Eye Irrit. 2, H319 (SCL: 0.06 %) Acute Tox. 1, H330 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medic

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the National Poisons Information Centre (NPIC) on +353 (0) 1 809 256 (24 h service) in order to obtain further advice.

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

No specific requirements

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
Long term exposure limit (8 hours) (mg/m^3): 10(total inhalable dust) / 4(respirable dust)

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)

Long term exposure limit (8 hours) (mg/m^3): 10

Propane-1,2-diol

Long term exposure limit (8 hours) (mg/m^3): 470 (total (vapour and particulates)) / 10(particulates)

Long term exposure limit (8 hours) (ppm): 150 (total (vapour and particulates))

2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019).

DNEL

Propane-1,2-diol

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	10 mg/m^3
Long term – Local effects - Workers	Inhalation	10 mg/m^3
Long term – Systemic effects - General population	Inhalation	50 mg/m^3
Long term – Systemic effects - Workers	Inhalation	168 mg/m^3

reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	20 $\mu\text{g}/\text{m}^3$
Long term – Local effects - Workers	Inhalation	20 $\mu\text{g}/\text{m}^3$
Short term – Local effects - General population	Inhalation	40 $\mu\text{g}/\text{m}^3$
Short term – Local effects - Workers	Inhalation	40 $\mu\text{g}/\text{m}^3$
Long term – Systemic effects - General population	Oral	90 $\mu\text{g}/\text{kgbw}/\text{day}$
Short term – Systemic effects - General population	Oral	110 $\mu\text{g}/\text{kgbw}/\text{day}$

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	28 $\mu\text{g}/\text{m}^3$
Long term – Local effects - Workers	Inhalation	170 $\mu\text{g}/\text{m}^3$

PNEC

Propane-1,2-diol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		260 mg/L
Freshwater sediment		572 mg/kg
Intermittent release (freshwater)		183 mg/L
Marine water		26 mg/L
Marine water sediment		57.2 mg/kg
Sewage treatment plant		20 g/L
Soil		50 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		3.39 µg/L
Freshwater sediment		27 µg/kg
Intermittent release (freshwater)		3.39 µg/L
Intermittent release (marine water)		3.39 µg/L
Marine water		3.39 µg/L
Marine water sediment		27 µg/kg
Sewage treatment plant		230 µg/L
Soil		10 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements

Skin protection

No specific requirements.

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,11-0,14	(> 480 min)	EN374-2



Eye protection

Type	Standards
Safety glasses with side shields.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

White, Various colours	
Odour / Odour threshold	
Faint	
pH	
>8.1	
Density (g/cm ³)	
Testing not relevant or not possible due to the nature of the product.	
Relative density	
1.38	
Kinematic viscosity	
Testing not relevant or not possible due to the nature of the product.	
Particle characteristics	
Does not apply to liquids.	
Phase changes	
Melting point/Freezing point (°C)	
Testing not relevant or not possible due to the nature of the product.	
Softening point/range (waxes and pastes) (°C)	
Does not apply to liquids.	
Boiling point (°C)	
>42	
Vapour pressure	
3.2 kPa (20 °C)	
Relative vapour density	
7.5	
Decomposition temperature (°C)	
Stable under normal handling and storage conditions.	
Data on fire and explosion hazards	
Flash point (°C)	
Not applicable	
Flammability (°C)	
Not applicable	
Auto-ignition temperature (°C)	
Not applicable	
Lower and upper explosion limit (% v/v)	
Testing not relevant or not possible due to the nature of the product.	
Solubility	
Solubility in water	
Slightly soluble	
n-octanol/water coefficient	
Testing not relevant or not possible due to the nature of the product.	
Solubility in fat (g/L)	
Testing not relevant or not possible due to the nature of the product.	
9.2. Other information	
Evaporation rate (n-butylacetate = 100)	
Not applicable	
VOC (g/L)	
12	
Other physical and chemical parameters	
Volume solids: 37.0% +/- 1.0%. Weight Solids: 54.0% +/- 1.0%.	
Oxidizing properties	
Not applicable	

SECTION 10: Stability and reactivity

- 10.1. Reactivity
No data available.
- 10.2. Chemical stability
The product is stable under the conditions, noted in section 7 "Handling and storage".
- 10.3. Possibility of hazardous reactions
None known.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity

Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]
Test method:	OECD 425
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>5000 mg/kg

Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>5000 mg/kg

Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	>6.8 mg/L

Product/substance	Propane-1,2-diol
Species:	Rat
Route of exposure:	Oral
Test:	
Result:	22000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Propane-1,2-diol
Species:	Rabbit
Route of exposure:	Inhalation
Test:	LC50 (2 hours)
Result:	>317 mg/L

Product/substance	reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	64 mg/kg

Product/substance	reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	0.17 mg/L

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)
Species:	Rat
Route of exposure:	Dermal
Test:	LD50
Result:	87 mg/kg

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

Not applicable.

Other information

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] has been classified by IARC as a group 2B carcinogen.

Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$) has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	>1000 mg/L
Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	LC50
Result:	>100 mg/L
Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	16 mg/L
Product/substance	Propane-1,2-diol

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	40613 mg/L
Product/substance	Propane-1,2-diol
Species:	Daphnia, <i>Ceriodaphnia dubia</i>
Duration:	48 hours
Test:	EC50
Result:	18340 mg/L
Product/substance	Propane-1,2-diol
Species:	Algae, <i>Pseudokirchneriella subcapitata</i>
Duration:	96 hours
Test:	EC50
Result:	19000 mg/L
Product/substance	reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)
Species:	Fish, <i>Oncorhynchus mykiss</i>
Duration:	96 hours
Test:	LC50
Result:	0.22 mg/l mg/kg
Product/substance	reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)
Test method:	OECD 201
Species:	Algae, <i>Pseudokirchneriella subcapitata</i>
Duration:	72 hours
Test:	NOEC
Result:	0.0012 mg/L
Product/substance	reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)
Species:	Daphnia, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	0.16 mg/L

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Product/substance reaction mass of: 5-chloro-2-methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2- methyl-2H-isothiazol-3-one [EC no. 220- 239-6] (3:1)

Test method:

Potential bioaccumulation: No data available.

LogPow: -0.75

BCF: No data available.

Other information:

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 7 – Carcinogenic

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Not applicable.

Additional information

Not applicable.

Sources

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H301, Toxic if swallowed.

H302, Harmful if swallowed.

H310, Fatal in contact with skin.

H314, Causes severe skin burns and eye damage.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

H330, Fatal if inhaled.

H351, Suspected of causing cancer.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 CAS = Chemical Abstracts Service
 CE = Conformité Européenne (European conformity)
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 CSA = Chemical Safety Assessment
 CSR = Chemical Safety Report
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EINECS = European Inventory of Existing Commercial chemical Substances
 ES = Exposure Scenario
 EUH statement = CLP-specific Hazard statement
 EWC = European Waste Catalogue
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IARC = International Agency for Research on Cancer (IARC)
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 OECD = Organisation for Economic Co-operation and Development
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 RRN = REACH Registration Number
 SCL = A specific concentration limit
 SVHC = Substances of Very High Concern
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE = Specific Target Organ Toxicity - Single Exposure
 TWA = Time weighted average
 UN = United Nations
 UVBC = Unknown or variable composition, complex reaction products or of biological materials
 VOC = Volatile Organic Compound
 vPvB = Very Persistent and Very Bioaccumulative

Additional information

Not applicable.

The safety data sheet is validated by

EcoOnline

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IE-en