SAFETY DATA SHEET

Trade Hi -Opacity Undercoat

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

1.1. Product identifier

Trade name

Trade Hi -Opacity Undercoat

Unique formula identifier (UFI)

J59X-6EWM-U209-SMKJ

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

Relevant identified uses of the substance or mixture

Paint

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@fleetwood.ie

Revision

27/11/2024

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”
Emergency contact number (FSW): + 353 49854 7209 (9am - 5pm, Monday - Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.

2.2. Label elements

Hazard pictogram(s)

Signal word

Warning

Hazard statement(s)

Flammable liquid and vapour. (H226)

Precautionary statement(s)

General

Keep out of reach of children. (P102)

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not breathe vapour/mist. (P260)

Response
IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)
In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)
Storage
Store in a well-ventilated place. Keep cool. (P403+P235)
Disposal
Dispose of contents/container in accordance with local regulation
(P501)

Hazardous substances
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

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

UFI: J59X-6EWM-U209-SMKJ

2.3. Other hazards

Additional warnings
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.
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) 2023/707.

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
Calcium carbonate	CAS No.: 471-34-1 EC No.: 207-439-9 REACH: 01-2119486795-18-XXXX Index No.:	40-60%		
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	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	[17]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No.: EC No.: 918-481-9 REACH: 01-2119457273-39-XXXX Index No.:	1-3%	EUH066 Asp. Tox. 1, H304	[15]
Propylidynetrimethanol	CAS No.: 77-99-6 EC No.: 201-074-9 REACH: 01-2119486799-10-XXXX Index No.:	0.1-0.9%	Repr. 2, H361fd	
2-ethylhexan-1-ol	CAS No.: 104-76-7 EC No.: 203-234-3 REACH: 01-2119487289-20-XXXX Index No.:	0.01-0.09%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335	
Manganese neodecanoate	CAS No.: 27253-32-3 EC No.: 248-374-6 REACH: 01-2120796051-56-XXXX Index No.:	0.01-0.09%	STOT RE 2, H373	
Naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 REACH: 01-2119561346-37-XXXX	0.001-0.009%	Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1)	[1], [3]

	Index No.: 601-052-00-2		Aquatic Chronic 1, H410 (M=1)
phthalic anhydride	CAS No.: 85-44-9 EC No.: 201-607-5 REACH: Index No.: 607-009-00-4	0.001-0.009%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335

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

Other information

[1] European occupational exposure limit.
[3] According to REACH, Annex XVII, the substance is subject to restrictions.
[15] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7) (CLP, Annex VI, note P).
[17] The classification as a carcinogen is not taken into consideration when classifying the product as the product is not delivered in powder form/contains less than 1 % titanium dioxide on particle form with an aerodynamic diameter ≤ 10 µm (CLP, Annex VI, note 10).

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

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. 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

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Headache, Methaemoglobinaemia (Naphthalene)

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

Treat symptomatically.

Information to medics

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

Flammable liquid and vapour.

In use may form flammable/explosive vapour-air 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.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Carbon oxides (CO / CO2)
Some metal oxides

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

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

Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
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.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

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

Storage conditions

No specific requirements

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

Calcium carbonate
Long term exposure limit (8 hours) (mg/m^3): 10(inhalable)/4(respirable)

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

2-isopropoxyethanol;ethylene glycol monoisopropyl ether
Long term exposure limit (8 hours) (mg/m³): 106
Long term exposure limit (8 hours) (ppm): 25
Annotations:
Sk = Substance, which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body.

Manganese neodecanoate
Long term exposure limit (8 hours) (mg/m³): 0.2 (as Mn, Inhalable fraction) / 0.05 (as Mn, Respirable fraction)

Naphthalene
Long term exposure limit (8 hours) (mg/m³): 50
Long term exposure limit (8 hours) (ppm): 10
Annotations:
IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

phthalic anhydride
Long term exposure limit (8 hours) (ppm): 1
Short term exposure limit (15 minutes) (mg/m³): 12
Annotations:
Sen = Chemical agent which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis.

ethanol;ethyl alcohol
Short term exposure limit (15 minutes) (ppm): 1000

2024 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2021) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024).

DNEL

Calcium carbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1.06 mg/m³
Long term – Local effects - Workers	Inhalation	6.36 mg/m³
Long term – Systemic effects - General population	Oral	6.1 mg/kg bw/day
Short term – Systemic effects - General population	Oral	6.1 mg/kg bw/day

phthalic anhydride

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	14 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	8.7 mg/m³
Long term – Systemic effects - Workers	Inhalation	49.4 mg/m³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day
Short term – Systemic effects - General population	Oral	25 mg/kg bw/day

Propylidynetrimethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	340 µg/kg bw/day
Long term – Systemic effects - Workers	Dermal	940 µg/kg bw/day
Long term – Systemic effects - General population	Inhalation	580 µg/m³
Long term – Systemic effects - Workers	Inhalation	3.3 mg/m³
Long term – Systemic effects - General population	Oral	340 µg/kg bw/day

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	28 µg/m³
Long term – Local effects - Workers	Inhalation	170 µg/m³

PNEC

Calcium carbonate

Route of exposure:	Duration of Exposure:	PNEC:
Sewage treatment plant		100 mg/L

phthalic anhydride

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1 mg/L
Freshwater sediment		3.8 mg/kg
Intermittent release (freshwater)		5.6 mg/L
Marine water		100 µg/L
Marine water sediment		380 µg/kg
Sewage treatment plant		10 mg/L
Soil		173 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.
Apply standard precautions during use of the product. Avoid inhalation of vapours.

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. Pay special attention to 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

Work situation	Type	Class	Colour	Standards	
Where risk assessment shows air-purifying respirators are appropriate.	Combination filter A2P3	Class 2/3	Brown/White	EN14387	

Skin protection

No specific requirements.

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,5	> 480	EN374-2, EN374-3, EN388	

Eye protection

Type	Standards	
Wear safety goggles with protective side shields in accordance with standard EN166.	EN 166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
White, Various colours

Odour / Odour threshold
Slight, Slight, Hydrocarbon

pH
Testing not relevant or not possible due to nature of the product.

Density (g/cm^3)
-

Relative density
1.77

Kinematic viscosity
>0.21 cm^2/s (40 °C)

Particle characteristics
Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)
-15

Softening point/range (°C)
Does not apply to liquids.

Boiling point (°C)
145

Vapour pressure
0.1-0.3 kPa (20 °C)

Relative vapour density
4.5

Decomposition temperature (°C)
Stable under normal handling and storage conditions.

Data on fire and explosion hazards

Flash point (°C)
42

Flammability (°C)
The material is ignitable.

Auto-ignition temperature (°C)
>230

Lower and upper explosion limit (% v/v)
0.6 - 7

Solubility

Solubility in water
Insoluble in cold water

n-octanol/water coefficient (LogKow)
No relevant or available data due to the nature of the product.

Solubility in fat (g/L)
No relevant or available data due to the nature of the product.

9.2. Other information

Evaporation rate (n-butylacetate = 100)
0.04

VOC (g/L)
290

Other physical and chemical parameters
Volume Solids 57.5% +/- 1.0%. Weight Solids 80.5% +/- 1.0%.

Oxidizing properties
Testing not relevant or not possible due to nature of the product.

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.

10.4. Conditions to avoid
Avoid static electricity.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced

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:	>10000 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:	>6.82 mg/L

Product/substance	Propylidynetrimethanol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	14700 mg/kg

Product/substance	Propylidynetrimethanol
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	>10000 mg/kg

Product/substance	Propylidynetrimethanol
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)

Result:	>0.85 mg/L

Product/substance	2-isopropoxyethanol;ethylene glycol monoisopropyl ether
Species:	Rabbit
Route of exposure:	Dermal
Result:	1600 µg/L

Product/substance	2-isopropoxyethanol;ethylene glycol monoisopropyl ether
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	5660 µg/L

Product/substance	2-isopropoxyethanol;ethylene glycol monoisopropyl ether
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50 (4 hours)
Result:	3100 mg/m^3

Product/substance	Naphthalene
Species:	Rabbit
Route of exposure:	Dermal
Test:	LD50
Result:	> 2000 mg/kg

Product/substance	Naphthalene
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 mg/kg

Product/substance	Naphthalene
Species:	Rat
Route of exposure:	Inhalation
Test:	LC50
Result:	>100 ppm

Product/substance	ethanol;ethyl alcohol
Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	7060 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
Based on available data, the classification criteria are not met.

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

Product/substance	Trade Hi -Opacity Undercoat
Kin. viscocity (mm^2/s):	>0.21

Conclusion: Aspiration hazard not applicable

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] has been classified by IARC as a group 2B carcinogen.
Naphthalene has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
Test method:	OECD 203
Species:	Fish
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 ≤ 10 µm]
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	LC50
Result:	>1000 mg/L

Product/substance	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Test:	EC50
Result:	61 mg/L

Product/substance	Propylidynetrimethanol
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	>1000 mg/L

Product/substance	Propylidynetrimethanol
Test method:	OECD 202
Species:	Crustacean, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	13000 mg/L

Product/substance	Propylidynetrimethanol
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	>1000 mg/L

Product/substance	2-isopropoxyethanol;ethylene glycol monoisopropyl ether
Species:	Fish, Carassius auratus
Duration:	24 hours
Test:	LC50
Result:	5000 mg/L

Product/substance	2-isopropoxyethanol;ethylene glycol monoisopropyl ether
Species:	Daphnia
Duration:	48 hours
Test:	EC50
Result:	3610 mg/L

Product/substance	Naphthalene
Species:	Daphnia, Daphnia magna
Compartment:	Freshwater
Duration:	48 hours
Test:	EC50
Result:	1.6 mg/L

Product/substance	Naphthalene
Species:	Crustacean, Palaemonetes pugio
Compartment:	Marine water
Duration:	48 hours
Test:	LC50
Result:	2.35 mg/L

Product/substance	Naphthalene
Species:	Fish, Melanotaenia fluviatilis
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	0.213 mg/L

Product/substance	Naphthalene
Species:	Crustacean, Uca pugnax
Compartment:	Marine water
Duration:	21 days
Test:	NOEC
Result:	0.5 mg/L

12.2. Persistence and degradability
Based on available data, the classification criteria are not met.

12.3. Bioaccumulative potential

Product/substance	Naphthalene
BCF:	36.5 - 168
LogKow:	3.4
Conclusion:	-

Product/substance	ethanol;ethyl alcohol
LogKow:	-0.32
Conclusion:	-

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Endocrine disrupting properties
This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

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 3 - Flammable
HP 7 – Carcinogenic
Dispose of contents/container to an approved waste disposal plant.

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	UN1263	PAINT	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1263	PAINT	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1263	PAINT	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

This product is within scope of the regulations of transport of dangerous goods.
ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

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

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

Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

REACH, Annex XVII

Naphthalene is subject to REACH restrictions (entry 28, 29, 30).
2-isopropoxyethanol;ethylene glycol monoisopropyl ether is subject to REACH restrictions (entry 40).
ethanol;ethyl alcohol is subject to REACH restrictions (entry 40).

Additional information

Not applicable.

Sources

SI No 209 of 2015 Chemicals Act (Control of Major Accident Hazards involving Dangerous Substances) Regulations 2015.
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

EUH066, Repeated exposure may cause skin dryness or cracking.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335, May cause respiratory irritation.
H351, Suspected of causing cancer.
H361fd, Suspected of damaging fertility or the unborn child.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.

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
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global warming potential
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

The classification of the mixture in regard to physical hazards has been based on experimental data.

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 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