

SAFETY DATA SHEET

Trade Hi-Opacity Satinwood

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

1.1. Product identifier

Trade name

Trade Hi-Opacity Satinwood

Unique formula identifier (UFI)

JR8X-PEFN-920T-FWP7

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@fsw.ie

Revision

16/02/2024

SDS Version

1.0

Date of previous version

25/01/2022

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

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]

Additional labelling

EUH208, Contains phthalic anhydride. May produce an allergic reaction.

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

UFI: JR8X-PEFN-920T-FWP7

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) 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 ≤ 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, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No.: EC No.: 919-857-5 REACH: 01-2119463258-33-XXXX Index No.:	5-10%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	
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]
Naphtha (petroleum), hydrotreated heavy	CAS No.: 64742-48-9 EC No.: 265-150-3 REACH: 01-2119457273-39-XXXX Index No.: 649-327-00-6	1-3%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304	[15], [19]
1-methoxy-2-propanol;monopropylene glycol methyl ether	CAS No.: 107-98-2 EC No.: 203-539-1 REACH: 01-2119457435-35-XXXX Index No.: 603-064-00-3	1-3%	Flam. Liq. 3, H226 STOT SE 3, H336	[1]
2-ethylhexan-1-ol	CAS No.: 104-76-7 EC No.: 203-234-3 REACH: 01-2119487289-20-XXXX Index No.:	0.1-0.9%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335	[1]
2-isopropoxyethanol;ethylene glycol monoisopropyl ether	CAS No.: 109-59-1 EC No.: 203-685-6 REACH: 01-2119494720-35-XXXX	0.1-0.9%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315	

	Index No.: 603-013-00-5		Eye Irrit. 2, H319 Acute Tox. 4, H332	
Calcium carbonate	CAS No.: 471-34-1 EC No.: 207-439-9 REACH: Index No.:	0.1-0.9%		
(2-methoxymethylethoxy)propanol	CAS No.: 34590-94-8 EC No.: 252-104-2 REACH: 01-2119450011-60-XXXX Index No.:	0.01-0.1%		[1]
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	
phthalic anhydride	CAS No.: 85-44-9 EC No.: 201-607-5 REACH: Index No.: 607-009-00-4	0.01-0.09%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335	
Naphthalene	CAS No.: 91-20-3 EC No.: 202-049-5 REACH: 01-2119561346-37-XXXX Index No.: 601-052-00-2	0.001-0.009%	Acute Tox. 4, H302 Carc. 2, H351 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1], [3]

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).

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

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

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)

Sensitisation: This product contains substances, which may produce an allergic reaction through inhalation. The allergic reaction typically takes place within an hour after exposure. The reaction results in an inflammatory reaction to the lungs.

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

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)

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 temperature

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

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(total inhalable dust)/ 0.8(respirable dust)

1-methoxy-2-propanol;monopropylene glycol methyl ether

Long term exposure limit (8 hours) (mg/m^3): 184

Long term exposure limit (8 hours) (ppm): 50

Short term exposure limit (15 minutes) (mg/m^3): 368

Short term exposure limit (15 minutes) (ppm): 100

Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

Silicon dioxide

Long term exposure limit (8 hours) (mg/m^3): 6 (total inhalable dust); 2.4 (respirable dust)

2-ethylhexan-1-ol

Long term exposure limit (8 hours) (mg/m^3): 5.4

Long term exposure limit (8 hours) (ppm): 1

Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

2-isopropoxyethanol;ethylene glycol monoisopropyl ether

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

Calcium carbonate

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

(2-methoxymethylethoxy)propanol

Long term exposure limit (8 hours) (mg/m^3): 308

Long term exposure limit (8 hours) (ppm): 50

Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

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)

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) (mg/m³): 4

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.

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).

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

(2-methoxymethylethoxy)propanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	121 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	283 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	37.2 mg/m ³
Long term – Systemic effects - Workers	Inhalation	308 mg/m ³
Long term – Systemic effects - General population	Oral	36 mg/kg bw/day

1-methoxy-2-propanol;monopropylene glycol methyl ether

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	78 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	183 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	43.9 mg/m ³
Long term – Systemic effects - Workers	Inhalation	369 mg/m ³
Short term – Local effects - Workers	Inhalation	553.5 mg/m ³
Short term – Systemic effects - Workers	Inhalation	553.5 mg/m ³
Long term – Systemic effects - General population	Oral	33 mg/kg bw/day

Calcium carbonate

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1.06 mg/m ³
Long term – Local effects - Workers	Inhalation	6.36 mg/m ³
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/m ³
Long term – Systemic effects - Workers	Inhalation	49.4 mg/m ³
Long term – Systemic effects - General population	Oral	5 mg/kg bw/day
Short term – Systemic effects - General population	Oral	25 mg/kg bw/day

Talc (Mg₃H₂(SiO₃)₄)

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	2.27 mg/cm ²
Long term – Local effects - Workers	Dermal	4.54 mg/cm ²
Long term – Systemic effects - General population	Dermal	21.6 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	43.2 mg/kg bw/day
Long term – Local effects - General population	Inhalation	1.8 mg/m ³
Long term – Local effects - Workers	Inhalation	3.6 mg/m ³
Long term – Systemic effects - General population	Inhalation	1.08 mg/m ³
Long term – Systemic effects - Workers	Inhalation	2.16 mg/m ³
Short term – Local effects - General population	Inhalation	1.8 mg/m ³
Short term – Local effects - Workers	Inhalation	3.6 mg/m ³
Short term – Systemic effects - General population	Inhalation	1.08 mg/m ³
Short term – Systemic effects - Workers	Inhalation	2.16 mg/m ³
Long term – Systemic effects - General population	Oral	160 mg/kg bw/day
Short term – Systemic effects - General population	Oral	160 mg/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/m ³
Long term – Local effects - Workers	Inhalation	170 µg/m ³

PNEC

(2-methoxymethylethoxy)propanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		19 mg/L
Freshwater sediment		70.2 mg/kg
Intermittent release (freshwater)		190 mg/L
Marine water		1.9 mg/L
Marine water sediment		7.02 mg/kg
Sewage treatment plant		4.168 g/L
Soil		2.74 mg/kg

1-methoxy-2-propanol;monopropylene glycol methyl ether

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		10 mg/L
Freshwater sediment		52.3 mg/kg
Intermittent release (freshwater)		100 mg/L
Marine water		1 mg/L
Marine water sediment		5.2 mg/kg
Sewage treatment plant		100 mg/L
Soil		4.59 mg/kg

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
Talc (Mg ₃ H ₂ (SiO ₃) ₄)		
Route of exposure:	Duration of Exposure:	PNEC:
Air		10 mg/m ³
Freshwater		597.97 mg/L
Freshwater sediment		31.33 mg/kg
Intermittent release (freshwater)		597.97 mg/L
Intermittent release (marine water)		141.26 mg/L
Marine water		141.26 mg/L
Marine water sediment		3.13 mg/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 A1B2E1K1-P3	Class 1/2/3	Brown/Gray/Yellow /Green/White	EN14387



Skin protection

Recommended	Type/Category	Standards
Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.	-	-



Hand protection

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



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

Various colours

Odour / Odour threshold

Slight, Hydrocarbon

pH

No information available as testing has not been completed.

Density (g/cm³)

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

Relative density

1.41 +/- 0.2

Kinematic viscosity

>0.21 cm²/s (40 °C)

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

-15

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

>142

Vapour pressure

0.1 to 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)

Lowest known value: >230°C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics).

Lower and upper explosion limit (% v/v)

0.6 - 7

Solubility

Solubility in water

Insoluble in cold water

n-octanol/water coefficient (LogKow)

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)

0.04

VOC (g/L)

295

Other physical and chemical parameters

Volume Solids 53.0% +/- 1.0%. Weight Solids 73.0% +/- 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

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:	>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 Naphtha (petroleum), hydrotreated heavy
 Test method: OECD 401
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 2000 mg/kg

Product/substance Naphtha (petroleum), hydrotreated heavy
 Test method: OECD 402
 Species: Rat
 Route of exposure: Dermal
 Test: LD50
 Result: 3000 mg/kg

Product/substance Naphtha (petroleum), hydrotreated heavy
 Test method: OECD 403
 Species: Rat
 Route of exposure: Inhalation
 Test: LC50 (4 hours)
 Result: 5.9 mg/L

Product/substance 1-methoxy-2-propanol;monopropylene glycol methyl ether
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: 5300 mg/kg

Product/substance 1-methoxy-2-propanol;monopropylene glycol methyl ether
 Species: Rabbit
 Route of exposure: Dermal
 Test: LD50
 Result: 13000 mg/kg

Product/substance 1-methoxy-2-propanol;monopropylene glycol methyl ether
 Species: Rat
 Route of exposure: Inhalation
 Test: LC50 (4 hours)
 Result: 54.6 mg/L

Product/substance Silicon dioxide
 Test method: OECD 401
 Species: Rat
 Route of exposure: Oral
 Test: LD50
 Result: >5000 mg/kg

Product/substance Silicon dioxide
 Species: Rat
 Test: LC0
 Result: 0.139 mg/L

Product/substance Silicon dioxide
 Species: Rabbit
 Route of exposure: Dermal
 Result: >5000 mg/kg

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/m³

Product/substance: Calcium carbonate
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 6450 mg/kg

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

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

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

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

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.

Talc (Mg₃H₂(SiO₃)₄) has been classified by IARC as a group 3 carcinogen.

Silicon dioxide has been classified by IARC as a group 3 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 \leq 10 μ m]
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 \leq 10 μ m]
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 \leq 10 μ m]
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Test:	EC50
Result:	61 mg/L

Product/substance	Silicon dioxide
Test method:	OECD 203
Species:	Fish, Brachydanio rerio
Duration:	96 hours
Test:	LC50
Result:	>1000 mg/L

Product/substance	Silicon dioxide
Test method:	OECD 202
Species:	Daphnia, Daphnia magna
Duration:	24 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	Calcium carbonate
Species:	Fish
Compartment:	Freshwater
Duration:	72 hours
Test:	LC50
Result:	>56000 mg/L

Product/substance	Calcium carbonate
Species:	Fish
Compartment:	Freshwater

Duration: 28 days
Test: NOEC
Result: 61000 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: 1-methoxy-2-propanol;monopropylene glycol methyl ether
LogKow: <1
Conclusion: No potential for bioaccumulation

Product/substance: Naphthalene
BCF: 36.5 - 168
LogKow: 3.4
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 RELATED MATERIAL	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 RELATED MATERIAL	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 RELATED MATERIAL	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	See below for additional information.

* Packing group

** Environmental hazards

Additional information

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.

This product is within scope of the regulations of transport of dangerous goods.

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, REACH annex XVII (entry 28, 29, 30).

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics is subject to REACH restrictions, REACH annex

XVII (entry 40).

Naphtha (petroleum), hydrotreated heavy is subject to REACH restrictions, REACH annex XVII (entry 40).

1-methoxy-2-propanol;monopropylene glycol methyl ether is subject to REACH restrictions, REACH annex XVII (entry 40).

Additional information

Not applicable.

Sources

Maternity Protection Act 1994 (34/1994) with later amendments.

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

H066, Repeated exposure may cause skin dryness or cracking.

H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H304, May be fatal if swallowed and enters airways.

H312, Harmful in contact with skin.

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.

H336, May cause drowsiness or dizziness.

H351, Suspected of causing cancer.

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

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 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