

SAFETY DATA SHEET

Traditional Oil Based Eggshell

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

1.1. Product identifier

Trade name

Traditional Oil Based Eggshell

Unique formula identifier (UFI)

PDD0-R0SK-V008-2XGY

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

29/06/2023

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

Classified according to Regulation (EC) No. 1272/2008 (CLP).

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

-

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Do not breathe vapour/mist. (P260)

Response

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

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 in accordance with local regulation (P501)

Hazardous substances

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

Additional labelling

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

UFI: PDD0-R0SK-V008-2XGY

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 | |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS No.: EC No.: 919-857-5 REACH: 01-2119463258-33-XXXX Index No.: | 10-15% | EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 | |
| Calcium carbonate | CAS No.: 471-34-1 EC No.: 207-439-9 REACH: Index No.: | 10-15% | | |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics | CAS No.: 64742-48-9 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 | [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] |
| 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] |
| 2-ethylhexan-1-ol | CAS No.: 104-76-7 EC No.: 203-234-3 REACH: 01-2119487289-20-XXXX Index No.: | <0.25% | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 | [1] |
| (2-methoxymethylethoxy)propanol | CAS No.: 34590-94-8 EC No.: 252-104-2 REACH: 01-2119450011-60-XXXX Index No.: | <0.1% | | |
| Manganese neodecanoate | CAS No.: 27253-32-3 | <0.05% | STOT RE 2, H373 | |

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

EC No.: 248-374-6
REACH: 01-2120796051-56-XXXX
Index No.:

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.

[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).

[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

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

None known.

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

IF exposed or concerned:

Get immediate medical advice/attention.

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

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

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.

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

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)

Calcium carbonate

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

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).

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

2-ethylhexan-1-ol

Long term exposure limit (8 hours) (mg/m³): 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).

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).

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

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 |

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

| Duration: | Route of exposure: | DNEL: |
|--|---------------------------|---------------------------|
| Long term – Local effects - General population | Inhalation | 178.57 mg/m ³ |
| Long term – Local effects - Workers | Inhalation | 837.5 mg/m ³ |
| Long term – Systemic effects - General population | Inhalation | 410 µg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 1.9 mg/m ³ |
| Short term – Local effects - General population | Inhalation | 640 mg/m ³ |
| Short term – Local effects - Workers | Inhalation | 1066.67 mg/m ³ |
| Short term – Systemic effects - General population | Inhalation | 1152 mg/m ³ |
| Short term – Systemic effects - Workers | Inhalation | 1286.4 mg/m ³ |

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 |

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

| | | |
|--|------------|------------------------|
| 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

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 |

Talc (Mg₃H₂(SiO₃)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.

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

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

Various colours, Viscous

Odour / Odour threshold

Hydrocarbon

pH

Not applicable

Density (g/cm³)

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

Relative density

1.39 +/- 0.2

Kinematic viscosity

0.21 (40 °C)

Particle characteristics

Does not apply to liquids.

Phase changes

Melting point/Freezing point (°C)

May start to solidify at the following temperature: -15°C This is based on data for the following ingredient: Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics. Weighted average: -54.16°C

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

Does not apply to liquids.

Boiling point (°C)

>142

Vapour pressure

Highest known value: 0.1 to 0.3 kPa (0.8 to 2.3 mm Hg) (at 20°C) (Naphtha(petroleum), hydrotreated heavy). Weighted average: 0.16 kPa (1.2 mm Hg) (at 20°C)

Relative vapour density

Highest known value: 4.5 (Air = 1) (Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics).

Decomposition temperature (°C)

Stable under normal handling and storage conditions.

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

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)

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

Solubility

Solubility in water

Insoluble in cold water

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)

Highest known value: 0.04 (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics) Weighted average: 0.03 compared with butyl acetate

VOC (g/L)

297

Other physical and chemical parameters

Volume Solids 51.4 % +/- 1.0%. Weight Solids 69.5 % +/- 1.0%.

Oxidizing properties

Testing not relevant or not possible due to the 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: | >5000 mg/kg |

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

| | |
|--------------------|--|
| 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 | Calcium carbonate |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | 6450 mg/kg |
| Product/substance | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 401 |
| Species: | Rat |
| Route of exposure: | Oral |
| Test: | LD50 |
| Result: | >5000 mg/kgbw |
| Product/substance | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 402 |
| Species: | Rabbit |
| Route of exposure: | Dermal |
| Test: | LD50 |
| Result: | >5000 mg/kgbw |
| Product/substance | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 403 |
| Species: | Rat |
| Route of exposure: | Inhalation |
| Test: | LC50 |
| Result: | >5000 mg/m ³ |
| 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 |

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.

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

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 ≤ 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.

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] |
| 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 ≤ 10 µm] |
| 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 ≤ 10 µm] |
| Species: | Algae, Pseudokirchneriella subcapitata |
| Duration: | 72 hours |
| Test: | EC50 |
| Result: | 16 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 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |
| Test method: | OECD 202 |
| Species: | Daphnia, Daphnia magna |
| Duration: | 48 hours |
| Test: | EL50 |
| Result: | >1000 mg/L |

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

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

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 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

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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

Restricted to professional users.

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

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

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

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

H302, Harmful if swallowed.

H226, Flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H319, Causes serious eye irritation.

H332, Harmful 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.

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

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

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

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

The safety data sheet is validated by

Christopher Murray

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