

SAFETY DATA SHEET

TILE PAINT WHITE 400ML

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name TILE PAINT WHITE 400ML

Product number 1245

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

Identified uses Paint.

Uses advised against Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Supplier Polar Specialist Coatings
Ltd 18-22 Lloyds House
Lloyd Street Manchester
M2 5WA
0161 850 0379
info@polarcoatings.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 161 850 0379

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Aerosol 1 - H222, H229

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
H319 Causes serious eye irritation.

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Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
Supplemental label information	<p>EUH066 Repeated exposure may cause skin dryness or cracking.</p> <p>EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</p>
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Dimethyl ether	30- < 60%
CAS number: 115-10-6	EC number: 204-065-8
Classification	
Flam. Gas 1A - H220	
Press. Gas (Liq.) - H280	
4-methylpentan-2-one	10 - <30%
CAS number: 108-10-1	EC number: 203-550-1
EUH066	
Classification	
Flam. Liq. 2 - H225	
Acute Tox. 4 - H332	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Ethyl acetate	10 - <30%
CAS number: 141-78-6	EC number: 205-500-4
EUH066	
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

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Titanium dioxide 1 - <5% CAS number: 13463-67-7 EC number: 236-675-5 EUH211
Classification Not Classified
n-butyl acetate 1 - <5% CAS number: 123-86-4 EC number: 204-658-1 EUH066
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336
2-methoxy-1-methylethyl acetate 1 - <5% CAS number: 108-65-6 EC number: 203-603-9
Classification Flam. Liq. 3 - H226

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. If in doubt, get medical attention promptly. Due to the small packaging, the risk of ingestion is minimal. Do not induce vomiting unless under the direction of medical personnel.
Skin contact	Remove contamination with soap and water or recognised skin cleansing agent.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Spray/mists may cause respiratory tract irritation.
Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur.
Skin contact	Repeated exposure may cause skin dryness or cracking.

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Eye contact Vapour or spray in the eyes may cause irritation and smarting. Particles in the eyes may cause irritation and smarting.

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

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Vapours may form explosive mixtures with air.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Take precautionary measures against static discharges.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up

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Methods for cleaning up

Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Provide adequate ventilation. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. The product is flammable. Avoid exposing aerosol containers to high temperatures or direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Do not expose to temperatures exceeding 50°C/122°F. Avoid inhalation of vapours and spray/mists. Avoid contact with eyes.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store away from incompatible materials (see Section 10). Keep away from oxidising materials, heat and flames. Store in a cool and well-ventilated place. Protect from sunlight. Keep containers upright. Protect containers from damage. Do not expose to temperatures exceeding 50°C/122°F. Do not store near heat sources or expose to high temperatures. Store in accordance with national regulations.

Storage class

Chemical storage. Aerosol containers and lighters

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Dimethyl ether

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m³

4-methylpentan-2-one

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m³

Sk

Ethyl acetate

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Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

Titanium dioxide

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

n-butyl acetate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

2-methoxy-1-methylethyl acetate

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Dimethyl ether (CAS: 115-10-6)

DNEL	Workers - Inhalation; Long term systemic effects: 1894 mg/m ³ General population - Inhalation; Long term systemic effects: 471 mg/m ³
PNEC	- Fresh water; 0.155 mg/l - marine water; 0.016 mg/l - STP; 160 mg/l - Sediment (Freshwater); 0.681 mg/kg - Sediment (Marinewater); 0.069 mg/kg - Soil; 0.045 mg/kg

4-methylpentan-2-one (CAS: 108-10-1)

DNEL	Workers - Inhalation; Long term systemic effects: 83 mg/m ³ Workers - Inhalation; Short term systemic effects: 208 mg/m ³ Workers - Inhalation; Long term local effects: 83 mg/m ³ Workers - Inhalation; Short term local effects: 208 mg/m ³ Workers - Dermal; Long term systemic effects: 11.8 mg/kg/day General population - Inhalation; Long term systemic effects: 14.7 mg/m ³ General population - Inhalation; Short term systemic effects: 155.2 mg/m ³ General population - Inhalation; Long term local effects: 14.7 mg/m ³ General population - Inhalation; Short term local effects: 155.2 mg/m ³ General population - Dermal; Long term systemic effects: 4.2 mg/kg/day General population - Oral; Long term systemic effects: 4.2 mg/kg/day
PNEC	- Fresh water; 0.6 mg/l - marine water; 0.06 mg/l - STP; 27.5 mg/l - Sediment (Freshwater); 8.27 mg/kg - Sediment (Marinewater); 0.83 mg/kg - Soil; 1.3 mg/kg

Ethyl acetate (CAS: 141-78-6)

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DNEL

Workers - Inhalation; Long term systemic effects: 734 mg/m³
 Workers - Inhalation; Short term systemic effects: 1468 mg/m³
 Workers - Inhalation; Long term local effects: 734 mg/m³
 Workers - Inhalation; Short term local effects: 1468 mg/m³
 Workers - Dermal; Long term systemic effects: 63 mg/kg/day
 General population - Inhalation; Long term systemic effects: 367 mg/m³
 General population - Inhalation; Short term systemic effects: 734 mg/m³
 General population - Inhalation; Long term local effects: 367 mg/m³
 General population - Inhalation; Short term local effects: 734 mg/m³
 General population - Dermal; Long term systemic effects: 37 mg/kg/day
 General population - Oral; Long term systemic effects: 4.5 mg/kg/day

PNEC

- Fresh water; 0.24 mg/l
- marine water; 0.024 mg/l
- STP; 650 mg/l
- Sediment (Freshwater); 1.15 mg/kg
- Sediment (Marinewater); 0.115 mg/kg
- Soil; 0.148 mg/kg
- Oral; 200 mg/kg

Titanium dioxide (CAS: 13463-67-7)

DNEL

Workers - Inhalation; Long term local effects: 10 mg/m³
 General population - Oral; Long term systemic effects: 700 mg/kg/day

PNEC

- Fresh water; 0.184 mg/l
- marine water; 0.018 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 1000 mg/kg
- Sediment (Marinewater); 100 mg/kg
- Soil; 100 mg/kg

n-butyl acetate (CAS: 123-86-4)

DNEL

Workers - Inhalation; Long term systemic effects: 300 mg/m³
 Workers - Inhalation; Short term systemic effects: 600 mg/m³
 Workers - Inhalation; Long term local effects: 300 mg/m³
 Workers - Inhalation; Short term local effects: 600 mg/m³
 Workers - Dermal; Long term systemic effects: 11 mg/kg/day
 Workers - Dermal; Short term systemic effects: 11 mg/kg/day
 General population - Inhalation; Long term systemic effects: 35.7 mg/m³
 General population - Inhalation; Short term systemic effects: 300 mg/m³
 General population - Inhalation; Long term local effects: 35.7 mg/m³
 General population - Inhalation; Short term local effects: 300 mg/m³
 General population - Dermal; Long term systemic effects: 6 mg/kg/day
 General population - Dermal; Short term systemic effects: 6 mg/kg/day
 General population - Oral; Long term systemic effects: 2 mg/kg/day
 General population - Oral; Short term systemic effects: 2 mg/kg/day

PNEC

- Fresh water; 0.18 mg/l
- marine water; 0.018 mg/l
- STP; 35.6 mg/l
- Sediment (Freshwater); 0.981 mg/kg
- Sediment (Marinewater); 0.098 mg/kg
- Soil; 0.09 mg/kg

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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

DNEL	Workers - Inhalation; Long term systemic effects: 330 mg/m ³
	Workers - Dermal; Long term systemic effects: 44 mg/kg/day
	General population - Inhalation; Long term systemic effects: 71 mg/m ³
	General population - Dermal; Long term systemic effects: 26 mg/kg/day
	General population - Oral; Long term systemic effects: 26 mg/kg/day

Oct-1-ene (CAS: 111-66-0)

PNEC	- Fresh water; 0.012 mg/l
	- marine water; 0.012 mg/l
	- Sediment (Freshwater); 6.06 mg/kg
	- Sediment (Marinewater); 6.06 mg/kg
	- Soil; 1.25 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment that provides appropriate eye and face protection should be worn.

Hand protection

To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	White.
Odour	Organic solvents.
Initial boiling point and range	-24.8°C (DME)

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Flash point	-41°C (DME)
Upper/lower flammability or explosive limits	3.3 - 26.2% (V) (DME)
Vapour pressure	513.29kPa (DME)
Auto-ignition temperature	226°C (DME)

9.2. Other information

Volatility	Volatile.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See the other subsections of this section for further details.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated Avoid heat, flames and other sources of ignition. Avoid the following conditions: Freezing.
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10.5. Incompatible materials

Materials to avoid	No specific requirements are anticipated under normal conditions of use.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Information given is based on data of the components. The blended product has not been tested. No data is available for the mixture.
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Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	58.06
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Inhalation	Gas or vapour may irritate the respiratory system. May cause nausea, headache, dizziness and intoxication. Vapour may irritate respiratory system/lungs.
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Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. May cause chemical burns in mouth, oesophagus and stomach. May cause discomfort if swallowed. May cause stomach pain or vomiting.
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Skin contact	Repeated exposure may cause skin dryness or cracking.
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Eye contact	May cause eye irritation. May cause serious eye damage.
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Route of exposure Inhalation Ingestion Skin and/or eye contact

Toxicological information on ingredients.

Dimethyl ether

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 164,000.0

Species Rat

Notes (inhalation LC₅₀) 4 hours

ATE inhalation (gases ppm) 164,000.0

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative.

Genotoxicity - in vivo Genome mutation: Negative.

Carcinogenicity

Carcinogenicity NOAEL 2.5 %, Inhalation, Rat

Reproductive toxicity

Reproductive toxicity - fertility Screening - NOAEL 2.5 %, Inhalation, Rat P

Reproductive toxicity - development Developmental toxicity: - NOAEL: 40000 ppm, Inhalation, Rat
Maternal toxicity: - NOAEL: 5000 ppm, Inhalation, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 2.5 %, Inhalation, Rat

4-methylpentan-2-one

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,080.0

Species Rat

ATE oral (mg/kg) 2,080.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 11.6

Species Rat

Notes (inhalation LC₅₀) 4 hours

ATE inhalation (vapours mg/l) 11.6

Skin corrosion/irritation

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Animal data Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, <72 hours, Rabbit Slightly irritating.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Carcinogenicity

Carcinogenicity NOAEC 450 ppm, Inhalation, Rat

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEL 1000 ppm, Inhalation, Rat P

Reproductive toxicity - development Maternal toxicity: - NOAEL: 1000 ppm, Inhalation, Mouse

Specific target organ toxicity - single exposure

STOT - single exposure Dose level: 200 ppm, Inhalation, Human May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOEL 50 mg/kg/day, Oral, Rat NOAEL 250 mg/kg/day, Oral, Rat LOAEL 1000 mg/kg/day, Oral, Rat

Ethyl acetate

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >20000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ >6000 ppm, Vapour, Inhalation, Rabbit 6 hours

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, 24 - 72 hours, Rabbit Not irritating.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro DNA damage and/or repair: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEL 20700 mg/kg/day, Oral, Mouse P Two-generation study - NOAEL 13800 mg/kg/day, Oral, Mouse F1

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Reproductive toxicity - development Maternal toxicity: - NOAEL: 16000 ppm, Inhalation, Rat Maternal toxicity: - LOAEL: 20000 ppm, Inhalation, Rat Read-across data.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 900 mg/kg/day, Oral, Rat LOAEL 3600 mg/kg/day, Oral, Rat NOEC 350 ppm, Inhalation, Rat LOEC 350 ppm, Inhalation, Rat

Titanium dioxide

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LC₅₀ >6.82 mg/l, Inhalation, Rat Dust/Mist 4 hours

Skin corrosion/irritation

Animal data Dose: 0.5 g, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 57 mg, , Rabbit Not irritating.

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Carcinogenicity

Carcinogenicity NOEL >50000 ppm, Oral, Rat

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - development Developmental toxicity:, Maternal toxicity: - NOAEL: 1000 mg/kg/day, Oral, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 962 mg/kg/day, Oral, Rat

n-butyl acetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,760.0

Species Rat

ATE oral (mg/kg) 10,760.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >14112 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

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Notes (inhalation LC₅₀)	LC ₅₀ >21 mg/l, Inhalation, Rat Vapour 4 hours
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 mL, , Rabbit Not irritating.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative. Read-across data.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Two-generation study - NOAEC 2000 ppm, Inhalation, Rat P
Reproductive toxicity - development	Developmental toxicity:, Maternal toxicity: - LOAEC: 1500 ppm, Inhalation, Rat
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOAEC 500 ppm, Inhalation, Rat

2-methoxy-1-methylethyl acetate

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	5,155.0
Species	Rat
ATE oral (mg/kg)	5,155.0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LC ₅₀ >1728 ppm, Inhalation, Rat 4 hours
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 mL, 30 seconds, Rabbit Not irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	NOEL 3000 ppm, Inhalation, Mouse Read-across data.

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Reproductive toxicity

Reproductive toxicity - fertility Screening - NOAEL 1000 mg/kg/day, Oral, Rat F1

Reproductive toxicity - development Maternal toxicity: - NOAEL: 500 ppm, Inhalation, Rat
Maternal toxicity: - LOAEL: 2000 ppm, Inhalation, Rat
Teratogenicity: - NOAEL: >4000 ppm, Inhalation, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL \geq 1000 mg/kg, Oral, Rat

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 15000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 3400 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 13.1 mg/l, Vapour, Inhalation, Rat - 4 hours

Skin corrosion/irritation

Animal data Dose: 0.5 ml, 4 hours, Rabbit Erythema/eschar score: Very slight erythema - barely perceptible (1). Fully reversible within 21 days. Oedema score: Very slight oedema - barely perceptible (1). Fully reversible within 10 days. Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Dose: 0.1 ml, < 72 hours, Rabbit Not irritating.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative. Read-across data.

Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEL \geq 3000 mg/kg/day, Oral, Rat P Read-across data.

Reproductive toxicity - development Developmental toxicity: - NOAEL: \geq 5220 mg/m³, Inhalation, Rat

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL \geq 495 mg/kg/day, Dermal, Rat Read-across data. LOAEL 116 mg/kg/day, Oral, Rat NOAEL 1056 mg/kg/day, Oral, Rat NOAEC \geq 300 ppm, Inhalation, Rat LOAEC 100 ppm, Inhalation, Rat

Aspiration hazard

Aspiration hazard 1.2 cSt @ 20°C Kinematic viscosity \leq 20.5 mm²/s.

Oct-1-ene

Acute toxicity - oral

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Notes (oral LD₅₀)	LD ₅₀ >5600 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	40.2
Species	Rat
Notes (inhalation LC₅₀)	Vapour 4 hours
ATE inhalation (vapours mg/l)	40.2
<u>Skin corrosion/irritation</u>	
Animal data	Dose: 0.5 mL, 4 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Dose: 0.1 mL, 8 days, Rabbit Not irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Screening - NOEL 300 mg/kg/day, Oral, Rat P, F1
Reproductive toxicity - development	Maternal toxicity:, Developmental toxicity: - NOEL: 1000 mg/kg/day, Oral, Rat
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	NOEL 100 mg/kg/day, Oral, Rat NOAEC 3000 ppm, Inhalation, Rat
<u>Aspiration hazard</u>	
Aspiration hazard	Aspiration hazard if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not believed to present a hazard due to its physical nature.

12.2. Persistence and degradability

Persistence and degradability Volatile substances are degraded in the atmosphere within a few days. The other substances in the product are not expected to be readily biodegradable.

12.3. Bioaccumulative potential

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Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product. Exposure to aquatic environment unlikely.

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product hardens to a solid, immobile substance.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current UK criteria.

12.6. Other adverse effects

Other adverse effects The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Dispose of waste product or used containers in accordance with local regulations

Disposal methods Do not empty into drains. Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Waste class The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

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ADN class 2.1

Transport labels



14.4. Packing group

ADR/RID packing group None
IMDG packing group None
ICAO packing group None
ADN packing group None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
 No.

14.6. Special precautions for user

EmS F-D, S-U
ADR transport category 2
Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
 EH40/2005 Workplace exposure limits.
 The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU regulations 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) (as amended).
 Commission Regulation (EU) No 2015/830 of 28 May 2015.
 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 (as amended).
 Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LC50: Lethal Concentration to 50 % of a test population.</p> <p>LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC₅₀: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Classification abbreviations and acronyms	Aerosol = Aerosol
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/
Classification procedures according to SI 2019 No. 720	Aerosol 1 - H222, H229: : Expert judgement.
Revision date	01/02/2022
Revision	1
SDS number	9981
Hazard statements in full	<p>H220 Extremely flammable gas.</p> <p>H222 Extremely flammable aerosol.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H280 Contains gas under pressure; may explode if heated.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.