



SAFETY DATA SHEET

UPAINTPVC ALL-IN-ONE UPVC PAINT

This Safety Data Sheet is prepared in accordance with Annex II to Regulation (EC) No 1907/2006 as amended by Regulations (EU) No. 453/2010 and (EU) 2015/830

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

1.1. Product identifier

Product name UPAINTPVC ALL-IN-ONE UPVC PAINT
Product number UPVC/GENERAL
Product SUMI code E
Product SUMI version number 1.00

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

Identified uses An air-drying, liquid, solvent-borne, paint for industrial, professional use. For the decoration of buildings, painting articles inside or outside buildings which are out of scope of the VOC Product Directive and for metal and plastic finishing. Apply by manual spray, brush or roller.

Uses advised against Not for sale to or use by the general public.

1.3. Details of the supplier of the safety data sheet

Supplier Upaintpvc
 Unit 5 Waterglade Industrial Park,
 Weston Avenue
 West Thurrock
 Essex
 RM20 3FJ
 Tel: 0845 838 2225
 Email: sales@upaintpvc.co.uk

Contact person Chief Chemist

1.4. Emergency telephone number

Emergency telephone 0845 838 2225 may be contacted (Office hours only)

National emergency telephone number Members of the public should contact: 111 in UK, 01 809 2166 in Republic of Ireland

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

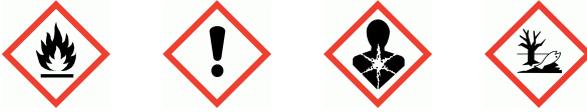
Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373
Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

UPAINTPVC ALL-IN-ONE UPVC PAINT

Hazard pictograms



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing vapour/ spray.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/ attention if you feel unwell.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P284 [In case of inadequate ventilation] wear respiratory protection.

Contains

XYLENE, HYDROCARBONS C9 AROMATICS

Supplementary precautionary statements

P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof electrical equipment.
 P242 Use non-sparking tools.
 P243 Take action to prevent static discharges.
 P260 Do not breathe vapour/ spray.
 P264 Wash contaminated skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTRE/doctor if you feel unwell.
 P321 Specific treatment (see medical advice on this label).
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

Labelling notes

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

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

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | | |
|--|----------------------|--|
| XYLENE 10-25% | | |
| CAS number: 1330-20-7 | EC number: 215-535-7 | REACH registration number: 01-2119488216-32-XXXX |
| Classification | | |
| Flam. Liq. 3 - H226 | | |
| Acute Tox. 4 - H312 | | |
| Acute Tox. 4 - H332 | | |
| Skin Irrit. 2 - H315 | | |
| Eye Irrit. 2 - H319 | | |
| STOT SE 3 - H335 | | |
| STOT RE 2 - H373 | | |
| Asp. Tox. 1 - H304 | | |
| HYDROCARBONS C9 AROMATICS 5-10% | | |
| CAS number: 64742-95-6 | EC number: 918-668-5 | REACH registration number: 01-2119455851-35-XXXX |
| Classification | | |
| Flam. Liq. 3 - H226 | | |
| STOT SE 3 - H335, H336 | | |
| Asp. Tox. 1 - H304 | | |
| Aquatic Chronic 2 - H411 | | |
| 2-METHOXY-1-METHYLETHYL ACETATE 5-10% | | |
| CAS number: 108-65-6 | EC number: 203-603-9 | REACH registration number: 01-2119475791-29-0000 |
| Classification | | |
| Flam. Liq. 3 - H226 | | |
| ETHYLBENZENE 1-5% | | |
| CAS number: 100-41-4 | EC number: 202-849-4 | REACH registration number: 01-2119489370-35-XXXX |
| Classification | | |
| Flam. Liq. 2 - H225 | | |
| Acute Tox. 4 - H332 | | |
| STOT RE 2 - H373 | | |
| Asp. Tox. 1 - H304 | | |
| n-BUTYL ACETATE 1-5% | | |
| CAS number: 123-86-4 | EC number: 204-658-1 | REACH registration number: 01-2119485493-29-XXXX |
| Classification | | |
| Flam. Liq. 3 - H226 | | |
| STOT SE 3 - H336 | | |

UPAINTPVC ALL-IN-ONE UPVC PAINT

TRIZINC BIS(ORTHOPHOSPHATE)**1-2.5%**

CAS number: 7779-90-0

EC number: 231-944-3

REACH registration number: 01-
2119485044-40-0000

M factor (Acute) = 1

M factor (Chronic) = 1

Classification

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

Quaternary ammonium compounds, C12-14 (even numbered)-alkylethyldimethyl, ethyl sulphate**0.1 - <1%**

CAS number: —

EC number: 939-607-9

REACH registration number: 01-
2119977130-42-0000

M factor (Acute) = 1

M factor (Chronic) = 1

Classification

Flam. Liq. 3 - H226

Acute Tox. 4 - H302

Acute Tox. 3 - H311

Skin Corr. 1C - H314

Eye Dam. 1 - H318

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

Ingredient notes Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
If unconscious place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest. Do NOT induce vomiting.

Skin contact

Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

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

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|---------------------|---|
| Inhalation | May cause irritation of the respiratory system. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. |
| Ingestion | Ingestion may cause nausea, diarrhoea and vomiting. |
| Skin contact | Prolonged or repeated contact with skin may cause soreness, irritation or dry skin due to a defatting action. |
| Eye contact | The liquid splashed in the eyes may cause irritation and reversible damage. |

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media recommended: alcohol resistant foam, CO₂, powders, water spray/mist

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 Vapour is denser than air – flashback may be possible over considerable distances. Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.
Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Protective actions during firefighting Cool closed containers exposed to fire with water.
Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Exclude non-essential personnel. Exclude sources of ignition and ventilate the area.
Avoid breathing vapours.
Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Environmental precautions Vapours are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Do not allow to enter drains or watercourses.
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).
Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Reference to other sections See Section 12 for additional ecological information.

SECTION 7: Handling and storage

UPAINTPVC ALL-IN-ONE UPVC PAINT

7.1. Precautions for safe handling

Usage precautions

The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in Section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear anti-static footwear and clothing and floors should be of the conducting type.

Isolate from sources of heat, sparks and open flame.

Non-sparking tools should be used.

Avoid skin and eye contact.

Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture.

Avoid inhalation of dust from sanding.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or water courses. Wash hands before eating and before leaving the site.

Remove contaminated clothing and protective equipment before entering eating areas.

Information on fire and explosion protection.

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.

The principles contained in the HSE guidance note Chemical Warehousing: The Storage of Packaged Dangerous Substances, should be observed when storing this product. Notes on joint storage.

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Additional information on storage conditions

Observe label precautions.

Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep container tightly closed.

Keep away from sources of ignition.

No smoking.

Prevent unauthorised access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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

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8.1. Control parameters

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

HYDROCARBONS C9 AROMATICS

Long-term exposure limit (8-hour TWA): OEL 100 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

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

Sk

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

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments

According to EH40 - List of approved workplace exposure limits. For dust the 8 hour TWA's are:-

Respirable dust 4 mg/cu.m (WEL)

Total inhalable dust 10 mg/cu.m (WEL)

XYLENE (CAS: 1330-20-7)

Biological limit values 650 mmol methyl hippuric acid/mol creatinine in urine. Post shift sampling

DNEL

Industry - Inhalation; Short term systemic effects: 289 mg/m³

Industry - Inhalation; Long term systemic effects: 77 mg/m³

Industry - Inhalation; Short term local effects: 289 mg/m³

Industry - Inhalation; Long term local effects: 77 mg/m³

Industry - Dermal; Short term systemic effects: 174 mg/m³

Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³

Consumer - Inhalation; Short term local effects: 174 mg/m³

Consumer - Inhalation; Short term systemic effects: 174 mg/m³

Consumer - Dermal; Long term systemic effects: 108 mg/kg/day

Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day

PNEC

- Fresh water; 0.327 mg/l

- marine water; 0.327 mg/l

- Intermittent release; 0.327 mg/l

- Sediment (Freshwater); 12.46 mg/kg

- Sediment (Marinewater); 12.46 mg/kg

- Soil; 2.31 mg/kg

- STP; 6.58 mg/l

HYDROCARBONS C9 AROMATICS (CAS: 64742-95-6)

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DNEL Industry - Inhalation; Long term systemic effects: 150 mg/m³
 Industry - Dermal; Long term systemic effects: 25 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 32 mg/m³
 Consumer - Dermal; Long term systemic effects: 11 mg/kg/day
 Consumer - Oral; Long term systemic effects: 11 mg/kg/day

PNEC No data available.

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL Industry - Inhalation; Long term systemic effects: 275 mg/kg/day
 Industry - Dermal; Long term systemic effects: 153.5 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 33 mg/m³
 Consumer - Dermal; Long term systemic effects: 54.8 mg/kg/day
 Consumer - Oral; Long term systemic effects: 1.67 mg/kg/day

PNEC - Fresh water; 0.635 mg/l
 - marine water; 0.0635 mg/l
 - Intermittent release; 6.35 mg/l
 - STP; 100 mg/l
 - Sediment (Freshwater); 3.29 mg/kg
 - Sediment (Marinewater); 0.329 mg/kg
 - Soil; 0.29 mg/kg

ETHYLBENZENE (CAS: 100-41-4)

DNEL Industry - Inhalation; Long term : 77 mg/m³
 Industry - Inhalation; Short term : 293 mg/m³
 Industry - Dermal; Long term : 180 mg/kg/day
 Consumer - Inhalation; Long term : 15 mg/m³
 Consumer - Oral; Long term : 1.6 mg/kg/day

PNEC - Fresh water; 0.327 mg/l
 - marine water; 0.327 mg/l
 - STP; 6.58 mg/l
 - Sediment; 12.46 mg/kg
 - Soil; 2.31 mg/kg

n-BUTYL ACETATE (CAS: 123-86-4)

DNEL Industry - Inhalation; Short term systemic effects: 960 mg/m³
 Industry - Inhalation; Short term local effects: 960 mg/m³
 Industry - Inhalation; Long term systemic effects: 480 mg/m³
 Industry - Inhalation; Long term local effects: 480 mg/m³
 Consumer - Inhalation; Short term systemic effects: 859.7 mg/m³
 Consumer - Inhalation; Short term local effects: 859.7 mg/m³
 Consumer - Inhalation; Long term systemic effects: 102.34 mg/m³
 Consumer - Inhalation; Long term local effects: 102.34 mg/m³

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); 0.0981 mg/kg
 - Soil; 0.0903 mg/kg
 - Intermittent release; 0.36 mg/l

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DIOCTYL ADIPATE (CAS: 103-23-1)

DNEL Industry - Dermal; Long term : 25.5 mg/kg/day
 Industry - Inhalation; Long term : 17.8 mg/m³
 Consumer - Dermal; Long term : 13 mg/kg/day
 Consumer - Inhalation; Long term : 4.4 mg/m³
 Consumer - Oral; Long term : 1.3 mg/kg/day

PNEC - Fresh water; 0.0032 mg/l
 - marine water; 0.0032 mg/l
 - STP; 35 mg/l
 - Sediment; 15.6 mg/kg
 - Soil; 0.865 mg/kg

TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)

DNEL Industry - Inhalation; Long term systemic effects: 5 mg/m³
 Industry - Dermal; Long term systemic effects: 83 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 2.5 mg/m³
 Consumer - Oral; Long term : 0.83 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 83 mg/kg/day

PNEC - Fresh water; 20.6 µg Zn/L
 - marine water; 6.1 µg Zn/L
 - Sediment (Freshwater); 117.8 mg Zn/kg dry weight
 - Sediment (Marinewater); 56.5 mg Zn/kg dry weight
 - Soil; 35.6 mg Zn/kg dry weight
 - STP; 100 µg Zn/L

Quaternary ammonium compounds, C12-14 (even numbered)-alkylethyldimethyl, ethyl sulphate

DNEL Workers - Inhalation; Long term systemic effects: 3.32 mg/m³
 Workers - Dermal; Long term systemic effects: 4.7 mg/kg/day
 Consumer - Oral; Long term systemic effects: 2.83 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 2.83 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 0.98 mg/m³

PNEC - Fresh water; 0.00068 mg/l
 - Sediment (Freshwater); 9.27 mg/kg
 - STP; 0.9 mg/l

8.2. Exposure controls

Protective equipment



Safe use of mixture

This Safety Data Sheet should be read in conjunction with the Safe Use of Mixture (SUMI) report referred to in Section 1. The SUMI provides information collated from exposure scenarios of substances relevant to this product and is provided as part of our obligations under REACH Regulations.

Two-pack product protection Not applicable

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Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of solvent vapour below the OEL, suitable respiratory protection must be worn. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Personal protection

Requirements for personal protection can only be determined by performing a risk assessment on a case-by-case basis prior to use. This risk assessment should be reviewed regularly.

Eye/face protection

Use safety eyewear, manufactured/tested to EN 166, and designed to protect against splash of liquids.

Hand protection

Use chemical resistant gloves classified under "Standard EN374: Protective gloves against chemicals and micro-organisms" made from Viton or PVA barrier material.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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Respiratory protection

Selection of any respiratory protective equipment should ensure that it is adequate to reduce exposure to protect the worker's health and is suitable for the wearer, task and environment, including consideration of the facial features of the wearer.

* Spraying should be undertaken outdoor or in a vented booth. As a minimum, workers should wear a full face respirator to EN140, fitted with a filter suitable for both particulates and vapours, to EN14387, with an assigned protection factor 20 (e.g. A2/P3). A powered full face respirator with combined filter A2/P3 (APF 40) or compressed air breathing apparatus should be worn if used continuously more than 1 hour. Respirators must be worn by anyone in the booth or room during spraying, gun cleaning (spray-to-dry) and throughout the clearance time, until such time as the particulates and solvent vapour concentration have fallen below the appropriate occupational exposure limits.

* Brush or roller applications should be carried out outdoor or in good ventilation areas with 10 to 15 air changes per hour or more. As a minimum, a half face mask respirator with combined filter A2/P3 (APF 20) should be worn. A powered full face respirator with combined filter A2/P3 (APF 40) should be used, if used for more than 1 hour continuously as half face powered respirator are not recommended.

* For other operations: The use of HSE website is strongly recommended in selecting the most appropriate RPE <http://www.healthyworkinglives.com/rpe-selector>

If workers could be exposed to concentration above the exposure limit or where ventilation is poor, they must use a respirator to EN 140, fitted with a filter suitable for both particulates and vapours, to EN 14387, with an assigned protection factor of at least 10 (e.g. A2/P3).

* Enclosed spaces with little or no ventilation: compressed air breathing apparatus should always be worn.

. Respiratory protection should not be removed until the particulate and solvent vapour concentrations have fallen below the occupational exposure limits or the operator has entered a clean air area.

Fit testing and regular servicing is recommended for all respiratory protective equipment. The use of HSE website is strongly recommended in selecting the most appropriate RPE <http://www.healthyworkinglives.com/rpe-selector>

Environmental exposure controls

Refer to the Environmental Protection Act and the Control of Pollution Act. Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | Viscous liquid. |
| Colour | Various |
| Odour | aromatic hydrocarbons |
| Odour threshold | Not determined. |
| pH | Not applicable. The product is a non-aqueous mixture. |
| Melting point | -24°C |
| Initial boiling point and range | 137 - 180°C @ 760 mm Hg |
| Flash point | 23 - 32°C Setaflash closed cup. |
| Evaporation rate | Not determined. |
| Flammability (solid, gas) | Material is not a solid or gas |
| Upper/lower flammability or explosive limits | Lower flammable/explosive limit: 0.6 % Upper flammable/explosive limit: 11 % |
| Vapour pressure | 0.67 kPa @ 20°C |

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| | |
|----------------------------------|---|
| Vapour density | Heavier than air |
| Relative density | 1.35 - 1.45 @ 20°C |
| Solubility(ies) | Immiscible with water. Soluble in the following materials: Aromatic solvents. |
| Partition coefficient | Not determined. See Section 12 for partition coefficient data on individual components. |
| Auto-ignition temperature | 465 - 525°C |
| Decomposition Temperature | Not determined. |
| Viscosity | 350 - 500 mPa•s @ 20°C Rotothinner |
| Explosive properties | The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible. |
| Oxidising properties | - The product is not expected to be oxidising. |
| 9.2. Other information | |
| Volatile organic compound | This product contains a maximum VOC content of 490 - 500 g/litre. This product contains a maximum VOC content of 35 - 37 g/100 g. |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|-------------------|--|
| Reactivity | Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products. |
|-------------------|--|

10.2. Chemical stability

| | |
|------------------|---|
| Stability | Stable under recommended storage and handling conditions (see section 7). |
|------------------|---|

10.3. Possibility of hazardous reactions

| | |
|---|--|
| Possibility of hazardous reactions | Keep away from oxidising agents, strongly alkaline and strongly acid materials |
|---|--|

10.4. Conditions to avoid

| | |
|----------------------------|---|
| Conditions to avoid | Avoid heat, flames, static electricity and other sources of ignition. When exposed to high temperatures may produce hazardous decomposition products. |
|----------------------------|---|

10.5. Incompatible materials

| | |
|---------------------------|--|
| Materials to avoid | Keep away from oxidising agents, strongly alkaline and strongly acid materials |
|---------------------------|--|

10.6. Hazardous decomposition products

| | |
|---|---|
| Hazardous decomposition products | such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. |
|---|---|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

| | |
|---------------------------|----------|
| ATE dermal (mg/kg) | 5,716.94 |
|---------------------------|----------|

Acute toxicity - inhalation

| | |
|-----------------------------------|-----------|
| ATE inhalation (gases ppm) | 29,072.61 |
|-----------------------------------|-----------|

| | |
|--------------------------------------|--------|
| ATE inhalation (vapours mg/l) | 104.82 |
|--------------------------------------|--------|

| | |
|--|-------|
| ATE inhalation (dusts/mists mg/l) | 25.18 |
|--|-------|

UPAINTPVC ALL-IN-ONE UPVC PAINT

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure May cause respiratory irritation.

Target organs Central nervous system Liver Kidneys

Specific target organ toxicity - repeated exposure

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Target organs Liver Kidneys

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

There are no data available on the mixture itself. The mixture has been assessed following the method according to the "Classification, labelling and packaging of substances and mixtures" EC 1272/2008 and ensuing amendments and classified for toxicological hazards accordingly. See sections 2 and 3 for details.

Inhalation

Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Ingestion

Ingestion may cause nausea, diarrhoea and vomiting.

Skin contact

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Contains butanoneoxime - may produce an allergic reaction.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. The liquid splashed in the eyes may cause irritation and reversible damage.

Route of exposure

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

UPAINTPVC ALL-IN-ONE UPVC PAINT

Medical symptoms Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Solvents may cause some of the above effects by absorption through the skin.

Toxicological information on ingredients.

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,523.0

Species Rat

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 4,200.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 6,700.0

Species Rat

Acute toxicity inhalation (LC₅₀ vapours mg/l) 27.6

Species Rat

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 10.0

Species Rat

ATE inhalation (gases ppm) 6,700.0

ATE inhalation (vapours mg/l) 27.6

ATE inhalation (dusts/mists mg/l) 10.0

Skin corrosion/irritation

Animal data Dose: 24 and, 72 hours, Rabbit Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Not sensitising

Skin sensitisation

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|--|---|
| Skin sensitisation | - Mouse: Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Chromosome aberration: Negative. Ames test: Negative. Gene mutation: Negative. |
| Genotoxicity - in vivo | Dominant lethal assay, intraperitoneal: Negative. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | NOAEL 500 mg/kg, Oral, Rat, male/female Did not show carcinogenic effects in animal experiments. |
| IARC carcinogenicity | IARC Group 3 Not classifiable as to its carcinogenicity to humans. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | One-generation study - NOAEL \geq 500 ppm, Inhalation, Rat, male/female P Two-generation study - NOAEL 500 ppm, Inhalation, Rat, male/female P Two-generation study - NOAEL $>$ 500 ppm, Inhalation, male/female F1 Two-generation study - NOAEL $>$ 500 ppm, Inhalation, Rat, male/female F2 This substance has no evidence of toxicity to reproduction. |
| Reproductive toxicity - development | Maternal toxicity: - NOAEL: 500 ppm, Inhalation, Rat, female |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | May cause respiratory irritation. |
| Target organs | Central nervous system Liver Kidneys |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | NOAEL 150 mg/kg, (3 months), Oral, Rat NOAEL $>$ 3.5 mg/l, (3 months), Inhalation, Rat, Dog |
| Target organs | Kidneys Liver |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Aspiration hazard - Category 1 If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours) |

HYDROCARBONS C9 AROMATICS

| | |
|--|---------|
| <u>Acute toxicity - oral</u> | |
| Acute toxicity oral (LD₅₀ mg/kg) | 3,492.0 |
| Species | Rat |
| ATE oral (mg/kg) | 3,492.0 |
| <u>Acute toxicity - dermal</u> | |
| Acute toxicity dermal (LD₅₀ mg/kg) | 3,161.0 |
| Species | Rabbit |
| ATE dermal (mg/kg) | 3,161.0 |
| <u>Acute toxicity - inhalation</u> | |

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|--|---|
| Acute toxicity inhalation (LC₅₀ vapours mg/l) | 6.193 |
| Species | Rat |
| <u>Skin corrosion/irritation</u> | |
| Animal data | Mild skin irritation (rabbit) |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | No eye irritation OECD 405 rabbit |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | - Guinea pig: Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Chromosome aberration: Negative. Based on available data the classification criteria are not met. |
| Genotoxicity - in vivo | Chromosome aberration: Negative. Based on available data the classification criteria are not met. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | Scientifically unjustified. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Fertility: - NOAEC 1500 ppm, Inhalation, Rat P |
| Reproductive toxicity - development | Developmental toxicity: - NOAEC: 100 ppm, Inhalation, Mouse |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Vapours may cause drowsiness and dizziness. May cause respiratory irritation. |
| Target organs | Central nervous system Respiratory system, lungs |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. |

2-METHOXY-1-METHYLETHYL ACETATE

| | |
|--|---------|
| <u>Acute toxicity - oral</u> | |
| Acute toxicity oral (LD₅₀ mg/kg) | 8,532.0 |
| Species | Rat |
| ATE oral (mg/kg) | 8,532.0 |
| <u>Acute toxicity - dermal</u> | |
| Acute toxicity dermal (LD₅₀ mg/kg) | 2,000.0 |

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|--|---|
| Species | Rat |
| <u>Acute toxicity - inhalation</u> | |
| Acute toxicity inhalation (LC₅₀ vapours mg/l) | 10.8 |
| Species | Rat |
| Notes (inhalation LC₅₀) | LC0 value - no mortality in test. Based on available data the classification criteria are not met. |
| ATE inhalation (vapours mg/l) | 10.8 |
| <u>Skin corrosion/irritation</u> | |
| Animal data | Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating. |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | Slightly irritating - may cause slight corneal injury |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | No information available. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | Guinea pig maximization test (GPMT) - : Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Ames test: Not mutagenic in AMES Test. Based on available data the classification criteria are not met. |
| Genotoxicity - in vivo | Not determined. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | NOAEL 300 ppm, Inhalation, |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | Two-generation study - NOAEL 300 ppm, Inhalation, Rat, male/female P Two-generation study - NOAEL 1000 ppm, Inhalation, Rat, male/female F1 Two-generation study - NOAEL 1000 ppm, Inhalation, Rat, male/female F2 Based on available data the classification criteria are not met. |
| Reproductive toxicity - development | Teratogenicity: - NOAEL: 1500 ppm, Inhalation, Rat, female Maternal toxicity: - NOAEL: 1500 ppm, Inhalation, Rat, female Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Based on available data the classification criteria are not met. |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Based on available data the classification criteria are not met. |

ETHYLBENZENE

UPAINTPVC ALL-IN-ONE UPVC PAINT

Skin corrosion/irritation

Animal data Dose: 15 mg, 24 hours , Rabbit Slightly irritating.

Serious eye damage/irritation

Serious eye damage/irritation Severe eye irritant (500 mg dose)

Aspiration hazard

Aspiration hazard Aspiration hazard - Category 1 If swallowed the product may aspirate into the lungs

n-BUTYL ACETATE

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 14,112.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 23.4

Species Rat

ATE inhalation (vapours mg/l) 23.4

Skin corrosion/irritation

Animal data OECD Test Guideline 404 No skin irritation (rabbit)

Serious eye damage/irritation

Serious eye damage/irritation No eye irritation OECD 405 rabbit

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

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

Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative. Based on available data the classification criteria are not met.

Genotoxicity - in vivo Chromosome aberration - micronucleus assay: Negative. Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|--|---|
| Reproductive toxicity - fertility | Fertility: - NOAEC 3615 mg/m ³ , Inhalation, Rat |
| Reproductive toxicity - development | Developmental toxicity: - LOAEC: 7230 mg/m ³ , Inhalation, Rat |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | No information available. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | NOAEC 500 ppmV/6hr/day, Inhalation, Rat |
| <u>Aspiration hazard</u> | |
| Aspiration hazard | Based on available data the classification criteria are not met. |

TRIZINC BIS(ORTHOPHOSPHATE)

| | |
|--|---------------------------|
| <u>Acute toxicity - oral</u> | |
| Acute toxicity oral (LD₅₀ mg/kg) | 5,001.0 |
| Species | Rat |
| ATE oral (mg/kg) | 5,001.0 |
| <u>Acute toxicity - inhalation</u> | |
| ATE inhalation (dusts/mists mg/l) | 5.8 |
| <u>Skin corrosion/irritation</u> | |
| Animal data | No skin irritation |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | Not irritating. |
| <u>Respiratory sensitisation</u> | |
| Respiratory sensitisation | No information available. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | No information available. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | No information available. |
| Genotoxicity - in vivo | No information available. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | No information available. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | No information available. |
| Reproductive toxicity - development | No information available. |
| <u>Specific target organ toxicity - repeated exposure</u> | |

UPAINTPVC ALL-IN-ONE UPVC PAINT

STOT - repeated exposure No information available.

SECTION 12: Ecological information

Ecotoxicity The mixture has been assessed following the method according to the "Classification, labelling and packaging of substances and mixtures" EC1272/2008 and ensuing amendments and is classified for ecotoxicological properties accordingly. See sections 2 and 3 for details.

12.1. Toxicity

Toxicity There is no toxicity data for the mixture itself.

Ecological information on ingredients.

XYLENE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 2.6 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3.82 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 2.2 mg/l, Freshwater algae

Acute toxicity - microorganisms EC₅₀, 24 hours: 96 mg/l, Bacteria

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 48 hours: 6.8 mg/l, Daphnia magna

HYDROCARBONS C9 AROMATICS

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EL50, 48 hours: 3.2 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 2.9 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOELR, 21 days: 2.14 mg/l, Daphnia magna

2-METHOXY-1-METHYLETHYL ACETATE

Acute aquatic toxicity

Acute toxicity - fish LC₁₀₀, 96 hours: 180 mg/l, Oncorhynchus mykiss (Rainbow trout)
NOEC, 96 hours: 100 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 508 - 500 mg/l, Daphnia magna

Acute toxicity - aquatic plants NOEC, 96 hours: > 1000 mg/l, Selenastrum capricornutum
ErC50, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata

UPAINTPVC ALL-IN-ONE UPVC PAINT

Acute toxicity - microorganisms EC₂₀, 30 minutes: > 1000 mg/l, Activated sludge

ETHYLBENZENE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 4.2 mg/l,

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.8 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: 3.6 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 7 days: 1 mg/l, Daphnia magna

n-BUTYL ACETATE

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 18 mg/l, Pimephales promelas (Fat-head Minnow)
OECD Guideline for Testing of Chemicals, No.203

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 44 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 647.7 mg/l, Scenedesmus subspicatus
NOEC, 72 hours: 200 mg/l, Scenedesmus subspicatus

TRIZINC BIS(ORTHOPHOSPHATE)

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 780 µg/L, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates NOEC, 48 hours: 2.34 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 136 µg Zn/L, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms NOEC, 4 hours: 0.1 mg/l, Activated sludge

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability There is no data for the mixture itself.

Ecological information on ingredients.

XYLENE

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|--------------------------------------|---|
| Persistence and degradability | Readily biodegradable |
| Biodegradation | - Degradation % >60: 28 days Readily biodegradable |

HYDROCARBONS C9 AROMATICS

| | |
|--------------------------------------|---|
| Persistence and degradability | The product is readily biodegradable |
| Phototransformation | Scientifically unjustified. |
| Stability (hydrolysis) | Not hydrolysable |
| Biodegradation | Water - Degradation (%) 78%: in 28 days |

2-METHOXY-1-METHYLETHYL ACETATE

| | |
|--------------------------------------|---|
| Persistence and degradability | Readily biodegradable |
| Stability (hydrolysis) | pH4 - Half-life : 10 days @ 50°C pH7 - Half-life : 10 days @ 50°C pH9 - Half-life : 8.1 days @ 25°C The substance is effectively stable to degradation by hydrolysis .under any environmental conditions likely to be experienced. |
| Biodegradation | Water - Degradation (%) >90%: 28 days Activated sludge as inoculum The substance is readily biodegradable. |

ETHYLBENZENE

| | |
|--------------------------------------|--------------------------------------|
| Persistence and degradability | The product is readily biodegradable |
| Biodegradation | - Degradation % 66: 10 days |

n-BUTYL ACETATE

| | |
|--------------------------------------|-------------------------------------|
| Persistence and degradability | Readily biodegradable |
| Biodegradation | Water - Degradation (%) 83: 28 days |

12.3. Bioaccumulative potential

| | |
|----------------------------------|---|
| Bioaccumulative potential | There is no data for the mixture itself. |
| Partition coefficient | Not determined. See Section 12 for partition coefficient data on individual components. |

Ecological information on ingredients.

XYLENE

| | |
|----------------------------------|---|
| Bioaccumulative potential | Not expected to bioaccumulate. BCF: 25.9, |
| Partition coefficient | log Pow: 3.15 |

UPAINTPVC ALL-IN-ONE UPVC PAINT

HYDROCARBONS C9 AROMATICS

Bioaccumulative potential Substance is a UVCB. Standard tests for this endpoint are not appropriate.

Partition coefficient Not applicable.

2-METHOXY-1-METHYLETHYL ACETATE

Bioaccumulative potential Potential for bioaccumulation is low.

Partition coefficient log Pow: 1.2 @ 20°C

ETHYLBENZENE

Bioaccumulative potential Potential for bioaccumulation is low.

Partition coefficient log Pow: 3.1 @ 20°C

n-BUTYL ACETATE

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Kow: 2.3 OECD Test Guideline 117

12.4. Mobility in soil

Mobility There is no data on the mobility of the mixture itself.

Ecological information on ingredients.

XYLENE

Mobility The product contains volatile solvents which are immiscible with water and will evaporate into the atmosphere. In soil the product has only slight mobility and will partially evaporate

HYDROCARBONS C9 AROMATICS

Mobility Substance is a UVCB. Standard tests for this endpoint are not appropriate.

2-METHOXY-1-METHYLETHYL ACETATE

Mobility Potential for mobility in soil is very high.

Adsorption/desorption coefficient Scientifically unjustified.

ETHYLBENZENE

Mobility The product contains volatile solvents which are immiscible with water and will evaporate into the atmosphere. In soil the product has only slight mobility and will partially evaporate

n-BUTYL ACETATE

Surface tension 61.3 mN/m @ 20°C OECD Test Guideline 115

12.5. Results of PBT and vPvB assessment

UPAINTPVC ALL-IN-ONE UPVC PAINT

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not allow to enter drains or water courses.

Disposal methods Waste and emptied containers are controlled wastes and should be disposed of in accordance with The Environment Protection (Duty of Care) Regulations” (in England, Scotland, Wales) or The Controlled Waste (Duty of Care) Regulations (in Northern Ireland).

Waste class The European List of Wastes classification of this product, when disposed of as waste is:
Waste Code: Name of Waste (according to Decision 2000/532/EC):
08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances
If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information contact your local waste authority. Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of empty containers contaminated by the product in accordance with local or national legal provisions.

Additional information

SECTION 14: Transport information

General This section contains basic classification information; specific information is not provided for all transport modes if not relevant for the product as supplied. Relevant modal regulations should be consulted if the product is transported onwards.

Road transport notes VISCOUS FLAMMABLE LIQUID DEROGATION
In pack sizes of 5 Litres or less, under the terms of 2.2.3.1.5.1 and 2.2.3.1.5.2, this product is not subject to the provisions of ADR.

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

3

ADR/RID classification code 3

ADR/RID label 3

Transport labels



14.4. Packing group

PG III

UPAINTPVC ALL-IN-ONE UPVC PAINT

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Transport within the user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

EmS F - E, S - E

ADR transport category 3

Tunnel restriction code (D/E)

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The information in this Safety Data Sheet is required pursuant to the provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations which apply to the use of this product at work.

The Control of Substances Hazardous to Health Regulations 2002(SI 2002:1689) and amendments.

Control of Pollution Act 1974.

The Environmental Protection (Duty of Care) Regulations 1992 and amendments

The Dangerous Substances & Explosive Atmospheres Regulations 2002(SI 2002:2776).

The Manual Handling Operations Regulations 1992, (SI 1992:2793)and amendment, The Stationery Office.

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EU legislation

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).

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).

Waste Framework Directive (Directive 2008/98/EC on waste) and amendments

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

UPAINTPVC ALL-IN-ONE UPVC PAINT

Guidance

COSHH Essentials: easy steps to control chemicals, on-line guidance at <http://www.hse.gov.uk/coshh/essentials/index.htm>

Chemical Warehousing: Storage of Flammable Liquids in Containers, HSG51, HSE

Storage: Packaged Dangerous Substances HSG71, HSE.

Working with solvents: A guide to safe working practices, INDG273(rev1), HSE

Workplace Exposure Limits EH40.

Best Practice Guideline 5 "Safe Use of Gloves (June 2010) published by the European Solvents Industry Group (ESIG) available at www.esig.org/en/library/publications/best-practice-guides

Control of Substances Hazardous to Health (Fifth Edition) (HSE Books L5)

Dangerous Substances and Explosive Atmospheres Regulations 2002, (HSE Books L138)

Safe use and handling of flammable liquids HSG140 (Second edition), HSE

A step by step guide to COSHH assessment HSG97, HSE

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents

Paints Directive 2004/42/EC VOC Content: EU limit for this product (Cat A/i) is: 500 g/litre. This product contains maximum 500 g/litre VOC.

15.2. Chemical safety assessment

SECTION 16: Other information

UPAINTPVC ALL-IN-ONE UPVC PAINT

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

BCF: Bioconcentration Factor.

CAS: Chemical Abstracts Service.

CLP: Classification, Labelling, Packaging Regulation; Regulation (EC) No. 1272/2008

CMR: Carcinogen, Mutagen or Reproductive Toxicant

COSHH: Control of Substances Hazardous to Health Regulations

DNEL: Derived No Effect Level.

ECHA: European Chemicals Agency

EC No.: EINECS (European Inventory of Existing Commercial Substances) and ELINCS (European List of Notified Substances) Number

EC₅₀: 50% of maximal Effective Concentration.

EmS: Emergency Schedule (IMDG)

GHS: Globally Harmonized System.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

Kow: Octanol-water partition coefficient.

LC₅₀: Lethal Concentration to 50 % of a test population.

LOAEC: Lowest Observed Adverse Effect Concentration.

LOAEL: Lowest Observed Adverse Effect Level.

LOEC: Lowest Observed Effect Concentration.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

NOEC: No Observed Effect Concentration.

OECD: Organisation for Economic Co-operation and Development

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheet

STOT: Specific Target Organ Toxicity

(STOT) RE: Repeated Exposure

(STOT) SE: Single Exposure

STP: Sewage Treatment Plant

SVHC: Substances of Very High Concern.

VOC: Volatile Organic Compound

vPvB: Very Persistent and Very Bioaccumulative.

General information

The product should not be used for purposes other than those shown in Section 1.

Key literature references and sources for data

Raw material supplier's Safety Data Sheets. Reference to ECHA Registered Substance dossiers.

Classification procedures according to Regulation (EC) 1272/2008

Unless indicated elsewhere in this safety data sheet, the classification of this mixture has been determined using a combination of test data, bridging principles and calculation.

Legal obligations

Revision comments

CLP 1.06 Revised transport data.

CLP 1.05 Reclassified for environmental hazard. CLP 1.04 Safe use of mixture information added. CLP 1.03 Amended information in Section 8.

UPAINTPVC ALL-IN-ONE UPVC PAINT

| | |
|----------------------------------|---|
| Issued by | Chief Chemist |
| Revision date | 19/03/2019 |
| Revision | CLP 1.06 |
| Supersedes date | 23/03/2018 |
| SDS number | 10692 |
| Hazard statements in full | H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. |

The information of this SDS is based on the present state of our knowledge and on current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not to be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation.