

COO-VAR®

Paints, Primers and Specialist Coatings

SAFETY DATA SHEET 205/P101 - 2 PACK ANTI-GRAFFITI COLOURS - BASE

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

1.1. Product identifier

Product name 205/P101 - 2 PACK ANTI-GRAFFITI COLOURS - BASE

Product number 205/P101/ - COLOURS

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

Identified uses BASE FOR TWO COMPONENT ANTI-GRAFFITI COATING

1.3. Details of the supplier of the safety data sheet

Supplier

COO-VAR
Lockwood Street
Hull
HU2 0HN
+44 (0) 1482 328053(T)
+44 (0) 1482 219266(F)
info@coo-var.co.uk

Contact person Technical Department -, as above, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 328053 (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Not Classified

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) R10,R52/53.

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H226 Flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements	P273 Avoid release to the environment. P501 Dispose of contents/ container to ...
Supplementary precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground/ bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P403+P235 Store in a well-ventilated place. Keep cool. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-METHOXY-1-METHYLETHYL ACETATE 10-30%		
CAS number: 108-65-6	EC number: 203-603-9	REACH registration number: 01-2119475791-29-xxxx
Classification Flam. Liq. 3 - H226	Classification (67/548/EEC or 1999/45/EC) R10	
Barium Sulphate 10-30%		
CAS number: 7727-43-7	EC number: 231-784-4	REACH registration number: 01-2119491274-35-0001
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -	
Hydrocarbons, C9, aromatics 5-10%		
CAS number: —	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	Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.	

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XYLENE, MIXED ISOMERS	1-5%
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	Classification (67/548/EEC or 1999/45/EC) Xn;R20/21,R65. Xi;R36/37/38. R10.
Silicon dioxide	1-5%
CAS number: —	
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
SOLVENT NAPHTHA, LIGHT AROMATIC(content of benzene <0.1%)	1-5%
CAS number: 64742-95-6 EC number: 265-199-0 REACH registration number: 01-2119455851-35	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
ETHYLBENZENE	<1%
CAS number: 100-41-4 EC number: 202-849-4	
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R20

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1,2,4-TRIMETHYLBENZENE		<1%
CAS number: 95-63-6		EC number: 202-436-9
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Xn;R20 Xi;R36/37/38 N;R51/53	
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		
Aquatic Chronic 2 - H411		
1-(Dimethylaminoethyl)-4-methylpiperazine		<1%
CAS number: 104-19-8		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	T;R24. Xn;R22. C;R34. R52/53.	
Acute Tox. 3 - H311		
Skin Corr. 1A - H314		
Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		
bis(2-DIMETHYLAMINOETHYL)(METHYL)AMINE		<1%
CAS number: 3030-47-5		EC number: 221-201-1
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	T;R24 C;R34 Xn;R22	
Acute Tox. 3 - H311		
Acute Tox. 3 - H331		
Skin Corr. 1A - H314		
Aquatic Chronic 3 - H412		
MESITYLENE		<1%
CAS number: 108-67-8		EC number: 203-604-4
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Xi;R37 N;R51/53	
STOT SE 3 - H335		
Aquatic Chronic 2 - H411		
2-METHOXYPROPYL ACETATE		<1%
CAS number: 70657-70-4		EC number: 274-724-2
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Repr. Cat. 2;R61 Xi;R37	
Repr. 1B - H360D		
STOT SE 3 - H335		

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CUMENE	<1%
CAS number: 98-82-8	EC number: 202-704-5
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R65 Xi;R37 N;R51/53

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	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	Get medical attention promptly if symptoms occur after washing.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.
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5.3. Advice for firefighters

Protective actions during firefighting	Risk of re-ignition after fire has been extinguished. Cool containers exposed to flames with water until well after the fire is out. Avoid the spillage or runoff entering drains, sewers or watercourses.
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

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Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Store away from the following materials: Oxidising materials. Alkalis. Acids.

Storage class Flammable liquid storage. The storage and use of this product is subject to 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. Up to 50 litres of liquids with a flashpoint below 32C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate, marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

SECTION 8: Exposure Controls/personal protection

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8.1. Control parameters

Occupational exposure limits

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

Barium Sulphate

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

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

Hydrocarbons, C9, aromatics

Long-term exposure limit (8-hour TWA): WEL 19 ppm 100 mg/m³ vapour

XYLENE, MIXED ISOMERS

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

Silicon dioxide

Long-term exposure limit (8-hour TWA): WEL 2.4 mg/m³ resp.dust

Short-term exposure limit (15-minute): WEL 6 mg/m³ total dust

SOLVENT NAPHTHA, LIGHT AROMATIC(content of benzene <0.1%)

Long-term exposure limit (8-hour TWA): SUP 600 mg/m³

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

1,2,4-TRIMETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

MESITYLENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm 125 mg/m³

CUMENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 125 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 250 mg/m³(Sk)

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

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

DNEL

Consumer - Inhalation; Long term systemic effects: 33 mg/m³

Professional - Inhalation; Long term systemic effects: 275 mg/m³

Consumer - Oral; Long term systemic effects: 1.67 mg/kg/day

Professional - Dermal; Long term systemic effects: 153.5 mg/kg/day

Consumer - Dermal; Long term systemic effects: 54.8 mg/kg/day

PNEC

- Sediment; 3.29 mg/kg

- Soil; 0.29 mg/kg

- Sediment (Marinewater); 0.329 mg/kg

- Marine water; 0.0635 mg/l

- Intermittent release; 6.35 mg/l

- Fresh water; 0.635 mg/l

- STP; 100 mg/l

205/P101 - 2 PACK ANTI-GRAFFITI COLOURS - BASE**Hydrocarbons, C9, aromatics**

DNEL	Consumer - Oral; Long term systemic effects: 11 mg/kg/day Consumer - Dermal; Long term systemic effects: 11 mg/kg/day Consumer - Inhalation; Long term systemic effects: 32 mg/m ³ Industry - Dermal; Long term systemic effects: 25 mg/kg/day Industry - Inhalation; Long term systemic effects: 100 mg/m ³
PNEC	No PNEC available. Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

XYLENE, MIXED ISOMERS (CAS: 1330-20-7)

DNEL	Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Consumer - Inhalation; Long term systemic effects: 14.8 mg/m ³ Industry - Dermal; Long term systemic effects: 180 mg/kg/day Industry - Inhalation; Long term systemic effects: 77 mg/m ³ Industry - Inhalation; Short term local effects: 289 mg/m ³
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/kg

SOLVENT NAPHTHA, LIGHT AROMATIC(content of benzene <0.1%) (CAS: 64742-95-6)

DNEL	Industry - Dermal; Long term systemic effects: 25 mg/kg/day Industry - Inhalation; Long term systemic effects: 150 mg/m ³ Consumer - Inhalation; Long term systemic effects: 32 mg/m ³ Consumer - Oral; Long term systemic effects: 11 mg/kg/day Consumer - Dermal; Long term systemic effects: 11 mg/kg/day
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ETHYLBENZENE (CAS: 100-41-4)

DNEL	Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day Consumer - Inhalation; Long term systemic effects: 15 mg/m ³ Industry - Dermal; Long term systemic effects: 180 mg/kg/day Industry - Inhalation; Long term systemic effects: 77 mg/m ³ Industry - Inhalation; Short term : 293 mg/m ³
PNEC	- Fresh water; 0.1 mg/l - Marine water; 0.1 mg/l - Intermittent release; 0.1 mg/l - Sediment (Freshwater); 13.7 mg/kg - Sediment (Marinewater); 13.7 mg/kg - Soil; 2.68 mg/kg - STP; 9.6 mg/kg

bis(2-DIMETHYLAMINOETHYL)(METHYL)AMINE (CAS: 3030-47-5)

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DNEL	Workers - Dermal; Long term systemic effects: 0.15 mg/m ³ Workers - Inhalation; Long term systemic effects: 0.529 mg/m ³
PNEC	- Soil; 0.0472 mg/kg - Intermittent release; 0.549 mg/l - STP; 100 mg/l - Fresh water; 0.0549 mg/l - Marine water; 0.00549 mg/l - Sediment (Freshwater); 0.0398 mg/kg - Sediment (Marinewater); 0.0398 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid. Coloured liquid.
Colour	Various colours
Odour	Characteristic. Organic solvents.
Flash point	40°C CC (Closed cup).
Vapour pressure	400 Pa @ °C
Relative density	1.05 - 1.07 @ @ 20 C°C
Auto-ignition temperature	314 C (Methoxy Propanol Acetate)°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

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10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong alkalis. Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.

Ingestion Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact May cause temporary eye irritation.

Acute and chronic health hazards This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Route of entry Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

Medical considerations Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

Toxicological information

2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 8,532.0

Species Rat

ATE oral (mg/kg) 8,532.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.0

Species Rabbit

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ATE dermal (mg/kg)	5,000.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	35.7
Species	Rat
ATE inhalation (vapours mg/l)	35.7
<u>Skin corrosion/irritation</u>	
Animal data	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	Ames test: Negative.
<u>Hydrocarbons, C9, aromatics</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	3,492.0
Species	Rat
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	3,492.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	3,160.0
Species	Rabbit
Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	3,160.0
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	6,193.0
Species	Rat
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l)	6,193.0
<u>Skin corrosion/irritation</u>	
Animal data	Repeated exposure may cause skin dryness or cracking.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.

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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.

Carcinogenicity

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

IARC carcinogenicity

None of the ingredients are listed or exempt.

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 STOT SE 3 - H335, H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Target organs Respiratory system, lungs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

A single exposure may cause the following adverse effects: Irritation of nose, throat and airway. Difficulty in breathing. Coughing. Vapours may cause headache, fatigue, dizziness and nausea. Central nervous system depression. During application and drying, solvent vapours will be emitted. Vapours in high concentrations are narcotic.

Ingestion

Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

Repeated exposure may cause skin dryness or cracking. Discoloration of the skin.

Eye contact

May cause temporary eye irritation.

Route of entry

Ingestion Inhalation Skin and/or eye contact

Target organs

Central nervous system Respiratory system, lungs

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Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours
mg/l) 11.0

Serious eye damage/irritation

Serious eye
damage/irritation Severely irritating to skin. Irritation of eyes is assumed. No testing is needed.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity -
fertility This substance has no evidence of toxicity to reproduction.

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 mm²/s.

Inhalation Harmful by inhalation.

Ingestion Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact Harmful in contact with skin.

Eye contact May cause severe eye irritation.

Target organs Central nervous system Liver

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

XYLENE, MIXED ISOMERS

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

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2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - fish	LC50, > 96 hours: 100 mg/l, Oryzias latipes (Red killifish)
Acute toxicity - aquatic invertebrates	EC50, > 48 hours: 500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC50, > 72 hours: 1000 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC20, > 30 minutes: 1000 mg/l, Activated sludge

Hydrocarbons, C9, aromatics

Toxicity	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
Acute toxicity - fish	LC50, 96 hours: 9.2 mg/l, Algae
Acute toxicity - aquatic invertebrates	EC50, 48 hours: 3.2 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC50, 48 hours: 2.9 mg/l,

XYLENE, MIXED ISOMERS

Acute toxicity - fish	LC50, 96 hours: 2.6 mg/l, Algae
Acute toxicity - aquatic invertebrates	EC50, 48 hours: 3.62 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC50, 72 hours: 3.2 mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability The product is not expected to be biodegradable.

2-METHOXY-1-METHYLETHYL ACETATE

Biodegradation	- 100 Degradation (%): 8 days Inherently biodegradable
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Hydrocarbons, C9, aromatics

Persistence and degradability	The degradability of the product is not known.
Biodegradation	- 78%: 28 days

XYLENE, MIXED ISOMERS

Persistence and degradability	The product is readily biodegradable.
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12.3. Bioaccumulative potential

Bioaccumulative potential The product contains potentially bioaccumulating substances.

205/P101 - 2 PACK ANTI-GRAFFITI COLOURS - BASE

Hydrocarbons, C9, aromatics

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not available.

XYLENE, MIXED ISOMERS

Partition coefficient	log Kow: 3.12 - 3.2
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12.4. Mobility in soil

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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Hydrocarbons, C9, aromatics

Mobility	No data available.
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12.5. Results of PBT and vPvB assessment

Hydrocarbons, C9, aromatics

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
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XYLENE, MIXED ISOMERS

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
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12.6. Other adverse effects

Other adverse effects	The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.
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Hydrocarbons, C9, aromatics

Other adverse effects	None known.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Avoid the spillage or runoff entering drains, sewers or watercourses.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

SECTION 14: Transport information

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General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

14.1. UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

14.2. UN proper shipping name

Proper shipping name (ADR/RID) UN 1993, FLAMMABLE LIQUID, N.O.S. (contains 1,2,4 - Trimethylbenzene), Class 3 PGIII (40 °C c.c), MARINE POLLUTANT

Proper shipping name (IMDG) UN 1993, FLAMMABLE LIQUID, N.O.S. (contains 1,2,4 - Trimethylbenzene), Class 3 PGIII (40 °C c.c), MARINE POLLUTANT

Proper shipping name (ICAO) UN 1993, FLAMMABLE LIQUID, N.O.S. (contains 1,2,4 - Trimethylbenzene), Class 3 PGIII (40 °C c.c), MARINE POLLUTANT

Proper shipping name (ADN) UN 1993, FLAMMABLE LIQUID, N.O.S. (contains 1,2,4 - Trimethylbenzene), Class 3 PGIII (40 °C c.c), MARINE POLLUTANT

14.3. Transport hazard class(es)

ADR/RID class 1993

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-E, S-E

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

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SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
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).
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. Dangerous Substances and Explosive Atmospheres Regulations 2002 [L138]

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 453/2010 Update for CLP labelling.
Issued by	Technical Dept. (P.E.)
Revision date	24/04/2015
Revision	6
Supersedes date	03/11/2013
SDS number	10971
SDS status	Approved.
Signature	Initials_____
Risk phrases in full	Not classified. R10 Flammable. R11 Highly flammable R20 Harmful by inhalation. R20/21 Harmful by inhalation and in contact with skin. R22 Harmful if swallowed. R24 Toxic in contact with skin. R34 Causes burns. R36/37/38 Irritating to eyes, respiratory system and skin. R37 Irritating to respiratory system. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R61 May cause harm to the unborn child. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.

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Hazard statements in full	<p>EUH066 Repeated exposure may cause skin dryness or cracking.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H311 Toxic in contact with skin.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H331 Toxic if inhaled.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H360D May damage the unborn child.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure if inhaled.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
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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.