

Protectcoat Colour PC

According to EC-Regulation 2015/830

Section 1. Identification of the substance and of the company/undertaking

Company details:

Protectcoat International
Spinding 16
5431 SN CUIJK
The Netherlands
+31 (0)85-0655797
www.protectcoatint.com

Trade name : Protectcoat Colour PC

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

Graffiti protection

1.3 Emergency telephone number:

EU: call 112

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.
Eye Irrit. 2; H319, Causes serious eye irritation

2.2 Label elements



Signal word:

Warning

Hazard statements

Causes skin irritation. (H315)
Causes serious eye irritation. (H319)

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Precautionary statements

| | |
|-------------------|--|
| General | If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102). |
| Prevention | Wear eye protection. (P280). Wash hands thoroughly after handling. (P264) |
| Response | If eye irritation persists: Get medical advice/attention. (P337+P313) |
| Storage | - |
| Disposal | - |

Hazardous substances

No Special

2.3. Other hazards

Additional labelling

UFI: X5VT-R4RU-5C0R-R0H4

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

Section 3. Composition information on ingredients

3.2 Mixtures:

| Product/substance | Identifiers | % w/w | Classification | Note |
|------------------------------|---|-------|---|------|
| Ethyl 3-ethoxypropionate | CAS No.: 763-69-9 EC No.: 212-112-9 XXXX Index No.: | 5-10% | EUH066 Flam. Liq. 3, H226 | |
| 3-Aminopropyltriethoxysilane | CAS No.: 919-30-2 EC No.: 213-048-4 REACH: 01-2119480479-24-XXXX Index No.: 612-108-00-0 | 1-3% | Acute Tox. 4, H302 Skin Corr. 1B, H314 | |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

Nothing special

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Section 4. First aid measures

4.1 Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract:
Bring the person into fresh air and stay with him/her

Skin contact

IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

Information to medics Bring this safety data sheet

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Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Nitrogen oxides (NO_x) Carbon oxides (CO / CO₂).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste. Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste. See section 8 "Exposure controls/personal protection" for protective measures

Section 7. Handling and storage

7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Dry, cool and well ventilated. Room temperature 18 to 23°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

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Section 8. Exposure controls/personal protection

8.1 Control parameters

No substances are listed in national list of substances with an occupational exposure limit.

DNEL / PNEC

Ethyl 3-ethoxypropionate

Duration

Long term –

Systemic effects –

General population

Long term –

Systemic effects –

Workers

Route of exposure

Inhalation

Inhalation

DNEL

72,6 mg/m³

610 mg/m³

PNEC

Ethyl 3-ethoxypropionate

Route of exposure

Freshwater

Freshwater sediment

Marine water

Marine water sediment

Sewage treatment plant

Duration of Exposure

-

-

-

-

-

PNEC

0.06 mg/l

0.42 mg/kg dw

0.006 mg/l

0.042 mg/kg dw

50 mg/l

8.2 Exposure Control

Control is unnecessary if the product is used as intended.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Use only UKCA marked protective equipment.

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Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Form | Liquid |
| Colour | Colourless |
| Odour | Characteristic |
| Odour threshold (ppm) | No data available. |
| pH | Testing not relevant or not possible due to nature of the product. |
| Viscosity (40°C) | Testing not relevant or not possible due to nature of the product |
| Density (g/cm³) | 1.03 |
| Phase changes | |
| Melting point (°C) | Testing not relevant or not possible due to nature of the product |
| Boiling point (°C) | 138 |
| Vapour pressure | 1 hPa (20 °C). |
| Decomposition temperature (°C) | Testing not relevant or not possible due to nature of the product. |
| Evaporation rate (n-butylacetate = 100) | No data available. |
| Data on fire and explosion hazards | |
| Flash point (°C) | 65 |
| Ignition (°C) | 240 |
| Auto flammability (°C) | Testing not relevant or not possible due to nature of the product. |
| Explosion limits (% v/v) | No data available. |
| Explosive properties | No data available. |
| Solubility | |
| Solubility in water | Insoluble |
| n-octanol/water coefficient | Testing not relevant or not possible due to nature of the product. |
| 9.2. Other information | |
| Solubility in fat (g/L) | No data available. |

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Section 10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Substance: Ethyl 3-ethoxypropionate

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 4309 mg/kg bw

Substance: Ethyl 3-ethoxypropionate

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 4080mg/kg bw

Substance: Ethyl 3-ethoxypropionate

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 5967mg/m³l

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Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

Long term effects

This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties No special

Other information No special

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Section 12. Ecological information

12.1 Toxicity

Substance: Ethyl 3-ethoxypropionate

Species: Fish

Test: LC50

Duration: 96h

Result: 60.9mg/l

Substance: Ethyl 3-ethoxypropionate

Species: Daphnia

Test: EC50

Duration: 48h

Result: 873mg/l

Substance: Ethyl 3-ethoxypropionate

Species: Algae

Test: EC50

Duration: 72h

Result: 114.8 mg/l

12.2 Persistence and degradability

Substance: Ethyl 3-ethoxypropionate

Biodegradable: Yes

Test method: OECD 301 B

Result: 100

12.3 Bioaccumulative potential

Product/substance Ethyl 3-ethoxypropionate

Test method

Potential No

Bioaccumulation

LogPow No data available

BCF No data available

Other information

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

No special

12.7. Other adverse effects

No special

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Section 13. Disposal Considerations information

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. Dispose of contents/container to an approved waste disposal plant. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law

EWC CODE

07 06 04* Other organic solvents, washing liquids and mother liquors

Specific labelling

Not applicable

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

Section 14. Transport information

14.1 – 14.4

ADR/RID

| | |
|----------------------------------|---|
| 14.1. UN number | – |
| 14.2. UN proper shipping name | – |
| 14.3. Transport hazard class(es) | – |
| 14.4. Packing group | – |
| Notes | – |
| Tunnel restriction code | – |

IMDG

| | |
|-----------------------|---|
| UN-no. | – |
| Proper Shipping Name | – |
| Class | – |
| PG* | – |
| EmS - MP** | – |
| Hazardous constituent | – |
| IATA/ICAO | |
| UN-no. | – |
| Proper Shipping Name | – |
| Class | – |
| PG* | – |

14.5. Environmental hazards

–

Additional information: Not dangerous goods according to ADR, IATA and IMDG

14.6. Special precautions for user

–

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

No data available

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Section 15. Regulatory information

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

Restrictions for application

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

Demands for specific education

-

Additional information

Not applicable

Seveso

-

Biocidal reg. no.

Not applicable

Sources

The Health and Safety at Work etc. Act 1974 Regulations 2013. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

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Section 16. Other information

The full text of identified uses as mentioned in section 1

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The full text of identified uses as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.

H226, Flammable liquid and vapour.

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification

16.6 Additional information available from:

Protectcoat International

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www.protectcoatint.com

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