



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** STYCCOBOND F30
Other means of identification:
Not relevant
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Adhesive for floors. For professional users only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
F. Ball and Co. Ltd.
Churnetside Business Park, Station Road
ST13 7RS Cheddleton - Leek - England
Phone: +44(0) 1538 361633
msds@f-ball.co.uk
www.f-ball.com
- 1.4 Emergency telephone number:** +44 (0) 1538 361633 Mon-Fri 08:30 - 17:00 (exc Bank Holidays)

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):
Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567).
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
Repr. 2: Reproductive toxicity, Category 2, H361d
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1: Sensitisation, skin, Category 1, H317
STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2, H373
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

- 2.2 Label elements:**
GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

Danger



Hazard statements:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Repr. 2: H361d - Suspected of damaging the unborn child.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260: Do not breathe vapours
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313: Get medical advice/attention.

Supplementary information:

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Contains Formaldehyde, oligomeric reaction products with phenol, Rosin.

2.3 Other hazards:

Product does not meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of resins in solvents

Components:

In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

| Identification | Chemical name/Classification | Concentration |
|-----------------|--|---------------|
| CAS: 108-88-3 | Toluene Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger | 10 - <30 % |
| CAS: 141-78-6 | Ethyl acetate Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger | 10 - <30 % |
| CAS: 64742-49-0 | Hydrocarbons, C6, isoalkanes, <5% n-hexane Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger | 10 - <30 % |
| CAS: 64742-49-0 | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger | 2.5 - <10 % |
| CAS: 9003-35-4 | Formaldehyde, oligomeric reaction products with phenol Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning | 2.5 - <10 % |
| CAS: 8050-09-7 | Rosin Skin Sens. 1: H317 - Warning | <1 % |
| CAS: 119-47-1 | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol Repr. 1B: H360 - Danger | <1 % |

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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SECTION 4: FIRST AID MEASURES (continued)

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

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...).

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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SECTION 7: HANDLING AND STORAGE (continued)

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in The Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016 and with the minimum requirements for protecting the security and health of workers under the selection criteria of The Dangerous Substances and Explosive Atmospheres Regulations 2002, 2002 No. 2776. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C
Maximum Temp.: 30 °C

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace:

EH40/2005 Workplace exposure limits, fourth edition, published 2020:

| Identification | Occupational exposure limits | | |
|---|------------------------------|------------------------|----------|
| | WEL (8h) | WEL (15 min) | WEL (8h) |
| Toluene ⁽¹⁾ CAS: 108-88-3 | 50 ppm | 191 mg/m ³ | 100 ppm |
| Ethyl acetate CAS: 141-78-6 | 200 ppm | 734 mg/m ³ | 400 ppm |
| | 400 ppm | 1468 mg/m ³ | |
| Rosin CAS: 8050-09-7 | | 0.05 mg/m ³ | |
| | | 0.15 mg/m ³ | |

⁽¹⁾ Skin

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|--|------------|------------------------|------------------------|------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| Toluene CAS: 108-88-3 EC: 203-625-9 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 384 mg/kg | Not relevant |
| | Inhalation | 384 mg/m ³ | 384 mg/m ³ | 192 mg/m ³ | 192 mg/m ³ |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 63 mg/kg | Not relevant |
| | Inhalation | 1468 mg/m ³ | 1468 mg/m ³ | 734 mg/m ³ | 734 mg/m ³ |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 EC: 931-254-9 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 13964 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 5306 mg/m ³ | Not relevant |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|------------|----------------|--------------|------------------------|----------------------|
| | | Systemic | Local | Systemic | Local |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 EC: 927-510-4 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 300 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 2085 mg/m ³ | Not relevant |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 EC: 500-005-2 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 28 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 98.7 mg/m ³ | Not relevant |
| Rosin CAS: 8050-09-7 EC: 232-475-7 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 2.131 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | Not relevant | 10 mg/m ³ |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS: 119-47-1 EC: 204-327-1 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 0.36 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 1.25 mg/m ³ | Not relevant |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|-----------------------|-----------------------|------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| Toluene CAS: 108-88-3 EC: 203-625-9 | Oral | Not relevant | Not relevant | 8.13 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 226 mg/kg | Not relevant |
| | Inhalation | 226 mg/m ³ | 226 mg/m ³ | 56.5 mg/m ³ | 56.5 mg/m ³ |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | Oral | Not relevant | Not relevant | 4.5 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 37 mg/kg | Not relevant |
| | Inhalation | 734 mg/m ³ | 734 mg/m ³ | 367 mg/m ³ | 367 mg/m ³ |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 EC: 931-254-9 | Oral | Not relevant | Not relevant | 1301 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 1377 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 1131 mg/m ³ | Not relevant |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 EC: 927-510-4 | Oral | Not relevant | Not relevant | 149 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 149 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 447 mg/m ³ | Not relevant |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 EC: 500-005-2 | Oral | Not relevant | Not relevant | 10 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 10 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 14.8 mg/m ³ | Not relevant |
| Rosin CAS: 8050-09-7 EC: 232-475-7 | Oral | Not relevant | Not relevant | 1.065 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 1.065 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | Not relevant | Not relevant |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS: 119-47-1 EC: 204-327-1 | Oral | 0.65 mg/kg | Not relevant | 0.13 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 0.13 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0.22 mg/m ³ | Not relevant |

PNEC:

| Identification | | PNEC | |
|---|--------------|--------------|-------------------------|
| | | Systemic | Local |
| Toluene CAS: 108-88-3 EC: 203-625-9 | STP | 13.61 mg/L | Fresh water |
| | Soil | 2.89 mg/kg | Marine water |
| | Intermittent | 0.68 mg/L | Sediment (Fresh water) |
| | Oral | Not relevant | Sediment (Marine water) |
| Ethyl acetate CAS: 141-78-6 EC: 205-500-4 | STP | 650 mg/L | Fresh water |
| | Soil | 0.148 mg/kg | Marine water |
| | Intermittent | 1.65 mg/L | Sediment (Fresh water) |
| | Oral | 0.2 g/kg | Sediment (Marine water) |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 EC: 500-005-2 | STP | Not relevant | Fresh water |
| | Soil | 0.0284 mg/kg | Marine water |
| | Intermittent | 1.72 mg/L | Sediment (Fresh water) |
| | Oral | Not relevant | Sediment (Marine water) |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)


| Identification | | | | |
|---|--------------|--------------|-------------------------|--------------|
| Rosin CAS: 8050-09-7 EC: 232-475-7 | STP | 1000 mg/L | Fresh water | 0.002 mg/L |
| | Soil | 0 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0.016 mg/L | Sediment (Fresh water) | 0.007 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0.001 mg/kg |
| 6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol CAS: 119-47-1 EC: 204-327-1 | STP | Not relevant | Fresh water | Not relevant |
| | Soil | Not relevant | Marine water | Not relevant |
| | Intermittent | Not relevant | Sediment (Fresh water) | Not relevant |
| | Oral | 0.01 g/kg | Sediment (Marine water) | Not relevant |

8.2 Exposure controls:


A.- Individual protection measures, such as personal protective equipment

In accordance with the order of importance to control professional exposure it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have <<UKCA marking>> or <<CE marking>>. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection


| Pictogram | PPE | Remarks |
|--|-----------------------------------|--|
|  Mandatory respiratory tract protection | Filter mask for gases and vapours | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands



| Pictogram | PPE | Remarks |
|--|---|--|
|  Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Remarks |
|--|-------------|---|
|  Mandatory face protection | Face shield | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection



| Pictogram | PPE | Remarks |
|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | For professional use only. Clean periodically according to the manufacturer's instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|--|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

| | |
|--------------------------|----------------|
| V.O.C. (Supply): | 73.75 % weight |
| V.O.C. density at 20 °C: | Not relevant |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

| | |
|--------------------------|----------------|
| Physical state at 20 °C: | Liquid |
| Appearance: | Not available |
| Colour: | Not available |
| Odour: | Not available |
| Odour threshold: | Not relevant * |

Volatility:

| | |
|--|------------------------|
| Boiling point at atmospheric pressure: | 85 °C |
| Vapour pressure at 20 °C: | 8928 Pa |
| Vapour pressure at 50 °C: | 31496.72 Pa (31.5 kPa) |
| Evaporation rate at 20 °C: | Not relevant * |

Product description:

| | |
|--|----------------|
| Density at 20 °C: | Not relevant * |
| Relative density at 20 °C: | 0.9 |
| Dynamic viscosity at 20 °C: | Not relevant * |
| Kinematic viscosity at 20 °C: | Not relevant * |
| Kinematic viscosity at 40 °C: | Not relevant * |
| Concentration: | Not relevant * |
| pH: | Not relevant * |
| Vapour density at 20 °C: | Not relevant * |
| Partition coefficient n-octanol/water 20 °C: | Not relevant * |
| Solubility in water at 20 °C: | Not relevant * |
| Solubility properties: | Not relevant * |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | Not relevant * |

Flammability:

| | |
|----------------------------|----------------|
| Flash Point: | -17 °C |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature: | 306 °C |
| Lower flammability limit: | Not available |

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|--|----------------|
| Upper flammability limit: | Not available |
| Particle characteristics: | |
| Median equivalent diameter: | Non-applicable |
| 9.2 Other information: | |
| Information with regard to physical hazard classes: | |
| Explosive properties: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |
| Other safety characteristics: | |
| Surface tension at 20 °C: | Not relevant * |
| Refraction index: | Not relevant * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Produces skin inflammation.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Toluene (3); Hydrocarbons, C6, isoalkanes, <5% n-hexane (3); Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (3)
 - Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
 - Reproductive toxicity: Suspected to damage the foetus
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
 - Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|--|-----------------|-----------------|--------|
| | Route | Value | |
| Toluene CAS: 108-88-3 | LD50 oral | 5580 mg/kg | Rat |
| | LD50 dermal | 12124 mg/kg | Rat |
| | LC50 inhalation | 28.1 mg/L (4 h) | Rat |
| Ethyl acetate CAS: 141-78-6 | LD50 oral | 4100 mg/kg | Rat |
| | LD50 dermal | 20000 mg/kg | Rabbit |
| | LC50 inhalation | >20 mg/L | |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 | LD50 oral | >5000 mg/kg | |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 | LD50 oral | >5000 mg/kg | |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | LD50 oral | >5000 mg/kg | |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Rosin CAS: 8050-09-7 | LD50 oral | 4100 mg/kg | Rat |
| | LD50 dermal | >5000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|----------------|-------------|-------|
| | LD50 oral | LD50 dermal | |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS: 119-47-1 | 5700 mg/kg | >5000 mg/kg | Rat |
| | >5 mg/L | | |
| | | | |

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available
Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------------|---------------------|---------------------------|------------|
| | LC50 | EC50 | | |
| Toluene CAS: 108-88-3 | 5.5 mg/L (96 h) | 3.78 mg/L (48 h) | Oncorhynchus kisutch | Fish |
| | Not relevant | | Ceriodaphnia dubia | Crustacean |
| | | | | |
| Ethyl acetate CAS: 141-78-6 | 230 mg/L (96 h) | 717 mg/L (48 h) | Pimephales promelas | Fish |
| | 3300 mg/L (48 h) | | Daphnia magna | Crustacean |
| | | | Scenedesmus subspicatus | Algae |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 | Not relevant | 3.87 mg/L (48 h) | Daphnia magna | Crustacean |
| | | 55 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| | | | | |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | >1 - 10 mg/L (96 h) | >1 - 10 mg/L (48 h) | | Fish |
| | | >1 - 10 mg/L (72 h) | | Crustacean |
| | | | | Algae |
| Rosin CAS: 8050-09-7 | 150 mg/L (96 h) | 238 mg/L (48 h) | Brachydanio rerio | Fish |
| | 185 mg/L (72 h) | | Daphnia magna | Crustacean |
| | | | Selenastrum capricornutum | Algae |

Chronic toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------|-----------|---------------------|------------|
| | NOEC | EC50 | | |
| Ethyl acetate CAS: 141-78-6 | 9.65 mg/L | 2.4 mg/L | Pimephales promelas | Fish |
| | | | Daphnia magna | Crustacean |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | Not relevant | 0.17 mg/L | | |
| | | | Daphnia magna | Crustacean |

12.2 Persistence and degradability:

Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|--|---------------|--------------|------------------|--------------|
| | Parameter | Value | Parameter | Value |
| Toluene CAS: 108-88-3 | BOD5 | 2.5 g O2/g | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 14 days |
| | BOD5/COD | Not relevant | % Biodegradable | 100 % |
| Ethyl acetate CAS: 141-78-6 | BOD5 | 1.36 g O2/g | Concentration | 100 mg/L |
| | COD | 1.69 g O2/g | Period | 14 days |
| | BOD5/COD | 0.8 | % Biodegradable | 83 % |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 98 % |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics CAS: 64742-49-0 | BOD5 | Not relevant | Concentration | Not relevant |
| | COD | Not relevant | Period | 14 days |
| | BOD5/COD | Not relevant | % Biodegradable | 95 % |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 | BOD5 | 0.5 g O2/g | Concentration | Not relevant |
| | COD | Not relevant | Period | Not relevant |
| | BOD5/COD | Not relevant | % Biodegradable | Not relevant |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|----------------|-------------------------|--------------|------------------|---------------|
| | Rosin CAS: 8050-09-7 | BOD5 | Not relevant | Concentration |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 32 % |

12.3 Bioaccumulative potential:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|--|---------------------------|-----------|
| | Toluene CAS: 108-88-3 | BCF |
| | Pow Log | 2.73 |
| | Potential | Moderate |
| Ethyl acetate CAS: 141-78-6 | BCF | 30 |
| | Pow Log | 0.73 |
| | Potential | Moderate |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 | BCF | 501 |
| | Pow Log | 3.6 |
| | Potential | High |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 | BCF | 8142 |
| | Pow Log | 3.56 |
| | Potential | Very High |

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|--|--------------------------|----------------------|------------|------------------------------|
| | Toluene CAS: 108-88-3 | Koc | 178 | Henry |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | 2.793E-2 N/m (25 °C) | Moist soil | Yes |
| Ethyl acetate CAS: 141-78-6 | Koc | 59 | Henry | 13.58 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2.324E-2 N/m (25 °C) | Moist soil | Yes |
| Formaldehyde, oligomeric reaction products with phenol CAS: 9003-35-4 | Koc | 636795 | Henry | Not relevant |
| | Conclusion | Immobile | Dry soil | No |
| | Surface tension | Not relevant | Moist soil | No |

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class |
|-----------|--|-------------|
| 08 04 09* | waste adhesives and sealants containing organic solvents or other hazardous substances | Hazardous |

Type of waste:

HP3 Flammable, HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP10 Toxic for reproduction, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste (England & Wales) Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of UK REACH the provisions related to waste management are stated:

UK legislation: The Waste (England & Wales) Regulations 2011.

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SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



- | | |
|---|---------------|
| 14.1 UN number: | UN1133 |
| 14.2 UN proper shipping name: | ADHESIVES |
| 14.3 Transport hazard class(es): | 3 |
| Labels: | 3 |
| 14.4 Packing group: | II |
| 14.5 Environmental hazards: | No |
| 14.6 Special precautions for user | |
| Tunnel restriction code: | D/E |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 5 L |
| 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: | Not relevant |

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



- | | |
|---|---------------|
| 14.1 UN number: | UN1133 |
| 14.2 UN proper shipping name: | ADHESIVES |
| 14.3 Transport hazard class(es): | 3 |
| Labels: | 3 |
| 14.4 Packing group: | II |
| 14.5 Marine pollutant: | No |
| 14.6 Special precautions for user | |
| Special regulations: | Not relevant |
| EmS Codes: | F-E, S-D |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | 5 L |
| Segregation group: | Not relevant |
| 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: | Not relevant |

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



- | | |
|---|---------------|
| 14.1 UN number: | UN1133 |
| 14.2 UN proper shipping name: | ADHESIVES |
| 14.3 Transport hazard class(es): | 3 |
| Labels: | 3 |
| 14.4 Packing group: | II |
| 14.5 Environmental hazards: | No |
| 14.6 Special precautions for user | |
| Physico-Chemical properties: | see section 9 |
| 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: | Not relevant |

SECTION 15: REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant

The Control of Major Accident Hazards Regulations 2015:

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SECTION 15: REGULATORY INFORMATION (continued)

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c | FLAMMABLE LIQUIDS | 5000 | 50000 |

Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc):

Contains more than 0.1 % of Toluene by weight. Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.
Control of Substances Hazardous to Health Regulations 2002 (as amended)
EH40/2005 Workplace exposure limits.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

Texts of the legislative phrases mentioned in section 2:

- H225: Highly flammable liquid and vapour.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H317: May cause an allergic skin reaction.
- H336: May cause drowsiness or dizziness.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H412: Harmful to aquatic life with long lasting effects.
- H361d: Suspected of damaging the unborn child.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):

- Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
- Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
- Eye Irrit. 2: H319 - Causes serious eye irritation.
- Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
- Repr. 1B: H360 - May damage fertility or the unborn child.
- Repr. 2: H361d - Suspected of damaging the unborn child.
- Skin Irrit. 2: H315 - Causes skin irritation.
- Skin Sens. 1: H317 - May cause an allergic skin reaction.
- STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
- STOT SE 3: H336 - May cause drowsiness or dizziness.

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

- <http://echa.europa.eu>
- <http://eur-lex.europa.eu>

Abbreviations and acronyms:



SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -