


**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

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

- 1.1 Product identifier:** FR3 Vinyl & Quarry Tile Floor Cleaner  
C545
- Other means of identification:**  
VIN0008/02
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Multiuse cleaner. 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:**  
Arrow Solutions  
Rawdon Road, Moira,  
DE12 6DA, Swadlincote - Derbyshire - United Kingdom  
Phone: 01283 221044  
sales@arrowchem.com  
www.arrowchem.com
- 1.4 Emergency telephone number:** For 24/7 multilingual advice for spill, leak, fire, exposure, or accident Call CHEMTREC at +44 20 3885 0382 / +44 20 3807 3798 and provide CCN 1018674; NPIS: 0844 892 0111 (healthcare professionals only) or NHS 111.

**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 Dam. 1: Serious eye damage, Category 1, H318  
Skin Irrit. 2: Skin irritation, Category 2, H315  
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 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 Dam. 1: H318 - Causes serious eye damage.  
Skin Irrit. 2: H315 - Causes skin irritation.  
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
- Precautionary statements:**  
P264: Wash thoroughly after use.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/protective footwear.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P501: Dispose of the contents and/or its container in line with regulations on dangerous waste or packaging and waste packaging respectively.
- Supplementary information:**  
Contains Longifolene, Caryophyllene, d-limonene, P-mentha-1,4(8)-diene, Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
- Substances that contribute to the classification**  
Sodium dodecylbenzenesulfonate (CAS: 25155-30-0); P-mentha-1,4(8)-diene (CAS: 586-62-9)
- 2.3 Other hazards:**  
Product does not meet PBT/vPvB criteria

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Tensioactive/s

**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: Non-applicable | <b>2-(4-methylcyclohex-3-en-1-yl)propan-2-ol</b><br>Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning  | 3 - <10 %     |
| CAS: 25155-30-0     | <b>Sodium dodecylbenzenesulfonate</b><br>Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger  | 3 - <10 %     |
| CAS: 34590-94-8     | <b>Dipropylene Glycol Methyl Ether</b>   | 1 - <3 %      |
| CAS: 586-62-9       | <b>P-mentha-1,4(8)-diene</b><br>Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Danger  | 1 - <3 %      |
| CAS: 5989-27-5      | <b>d-limonene</b><br>Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Danger   | <1 %          |
| CAS: 475-20-7       | <b>Longifolene</b><br>Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger  | <1 %          |
| CAS: 141-43-5       | <b>2-aminoethanol</b><br>Acute Tox. 4: H302+H312+H332; Aquatic Chronic 3: H412; Skin Corr. 1B: H314; STOT SE 3: H335 - Danger  | <1 %          |
| CAS: 99-85-4        | <b>p-mentha-1,4-diene</b><br>Asp. Tox. 1: H304; Flam. Liq. 3: H226; Repr. 2: H361 - Danger   | <1 %          |
| CAS: 87-44-5        | <b>Caryophyllene</b><br>Aquatic Chronic 4: H413; Asp. Tox. 1: H304; Skin Sens. 1B: H317 - Danger   | <1 %          |
| CAS: 55965-84-9     | <b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b><br>Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger | <1 %          |

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

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

| Identification   | Acute toxicity  |                  | Genus  |
|--|-----------------|------------------|--------|
|  | LD50 oral       | LD50 dermal      |        |
| 2-aminoethanol<br>CAS: 141-43-5  | LD50 oral       | 1515 mg/kg       | Rat    |
|  | LD50 dermal     | 2504 mg/kg       | Rabbit |
|  | LC50 inhalation | Not relevant     |        |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0  | LD50 oral       | 500 mg/kg (ATEI) |        |
|  | LD50 dermal     | Not relevant     |        |
|  | LC50 inhalation | Not relevant     |        |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9 | LD50 oral       | 64 mg/kg         | Rat    |
|  | LD50 dermal     | 87.12 mg/kg      | Rabbit |
|  | LC50 inhalation | Not relevant     |        |

**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:**

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 4: FIRST AID MEASURES (continued)**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**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 lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of 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.

**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:**

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media:**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**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.

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)**

**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 with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

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

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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.: 4 °C

Maximum Temp.: 40 °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 assessed in the workplace:

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

| Identification  | Occupational exposure limits |              |  |
|---|------------------------------|--------------|--|
|   | WEL (8h)                     | WEL (15 min) | WEL (15 min)                                   |
| 2-aminoethanol <sup>(1)</sup><br>CAS: 141-43-5                    | 1 ppm                        | 3 ppm        | 2.5 mg/m <sup>3</sup><br>7.6 mg/m <sup>3</sup> |
| Dipropylene Glycol Methyl Ether <sup>(1)</sup><br>CAS: 34590-94-8 | 50 ppm                       |              | 308 mg/m <sup>3</sup>                          |

<sup>(1)</sup> Skin

**DNEL (Workers):**

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Identification  |            | Short exposure       |                      | Long exposure          |                        |
|---|------------|----------------------|----------------------|------------------------|------------------------|
|   |            | Systemic             | Local                | Systemic               | Local                  |
| 2-(4-methylcyclohex-3-en-1-yl)propan-2-ol<br>CAS: Non-applicable<br>EC: 701-188-3 | Oral       | Not relevant         | Not relevant         | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 6.36 mg/kg             | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 44.8 mg/m <sup>3</sup> | Not relevant           |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0<br>EC: 246-680-4                | Oral       | Not relevant         | Not relevant         | Not relevant           | Not relevant           |
|   | Dermal     | 80 mg/kg             | Not relevant         | 57.2 mg/kg             | Not relevant           |
|   | Inhalation | 52 mg/m <sup>3</sup> | 52 mg/m <sup>3</sup> | 52 mg/m <sup>3</sup>   | 52 mg/m <sup>3</sup>   |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2               | Oral       | Not relevant         | Not relevant         | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 283 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 308 mg/m <sup>3</sup>  | Not relevant           |
| p-mentha-1,4(8)-diene<br>CAS: 586-62-9<br>EC: 209-578-0                           | Oral       | Not relevant         | Not relevant         | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 0.52 mg/kg             | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 3.6 mg/m <sup>3</sup>  | Not relevant           |
| d-limonene<br>CAS: 5989-27-5<br>EC: 227-813-5                                     | Oral       | Not relevant         | Not relevant         | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 9.5 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 66.7 mg/m <sup>3</sup> | Not relevant           |
| 2-aminoethanol<br>CAS: 141-43-5<br>EC: 205-483-3                                  | Oral       | Not relevant         | Not relevant         | Not relevant           | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 3 mg/kg                | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 1 mg/m <sup>3</sup>    | 0.51 mg/m <sup>3</sup> |

|   |            |              |              |                         |              |
|---|------------|--------------|--------------|-------------------------|--------------|
| p-mentha-1,4-diene<br>CAS: 99-85-4<br>EC: 202-794-6 | Oral       | Not relevant | Not relevant | Not relevant            | Not relevant |
|   | Dermal     | Not relevant | Not relevant | 0.833 mg/kg             | Not relevant |
|   | Inhalation | Not relevant | Not relevant | 2.939 mg/m <sup>3</sup> | Not relevant |

**DNEL (General population):**

| Identification  |            | Short exposure       |                      | Long exposure          |                        |
|---|------------|----------------------|----------------------|------------------------|------------------------|
|   |            | Systemic             | Local                | Systemic               | Local                  |
| 2-(4-methylcyclohex-3-en-1-yl)propan-2-ol<br>CAS: Non-applicable<br>EC: 701-188-3 | Oral       | Not relevant         | Not relevant         | 2.69 mg/kg             | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 2.69 mg/kg             | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 7.96 mg/m <sup>3</sup> | Not relevant           |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0<br>EC: 246-680-4                | Oral       | 13 mg/kg             | Not relevant         | 13 mg/kg               | Not relevant           |
|   | Dermal     | 40 mg/kg             | Not relevant         | 28.6 mg/kg             | Not relevant           |
|   | Inhalation | 26 mg/m <sup>3</sup> | 26 mg/m <sup>3</sup> | 26 mg/m <sup>3</sup>   | 26 mg/m <sup>3</sup>   |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2               | Oral       | Not relevant         | Not relevant         | 36 mg/kg               | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 121 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 37.2 mg/m <sup>3</sup> | Not relevant           |
| p-mentha-1,4(8)-diene<br>CAS: 586-62-9<br>EC: 209-578-0                           | Oral       | Not relevant         | Not relevant         | 0.26 mg/kg             | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 0.26 mg/kg             | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 0.9 mg/m <sup>3</sup>  | Not relevant           |
| d-limonene<br>CAS: 5989-27-5<br>EC: 227-813-5                                     | Oral       | Not relevant         | Not relevant         | 4.8 mg/kg              | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 4.8 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 16.6 mg/m <sup>3</sup> | Not relevant           |
| 2-aminoethanol<br>CAS: 141-43-5<br>EC: 205-483-3                                  | Oral       | Not relevant         | Not relevant         | 1.5 mg/kg              | Not relevant           |
|   | Dermal     | Not relevant         | Not relevant         | 1.5 mg/kg              | Not relevant           |
|   | Inhalation | Not relevant         | Not relevant         | 0.18 mg/m <sup>3</sup> | 0.28 mg/m <sup>3</sup> |

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Identification                                      |            | Short exposure |              | Long exposure           |              |
|---|------------|----------------|--------------|-------------------------|--------------|
|   |            | Systemic       | Local        | Systemic                | Local        |
| p-mentha-1,4-diene<br>CAS: 99-85-4<br>EC: 202-794-6 | Oral       | Not relevant   | Not relevant | 0.417 mg/kg             | Not relevant |
|   | Dermal     | Not relevant   | Not relevant | 0.417 mg/kg             | Not relevant |
|   | Inhalation | Not relevant   | Not relevant | 0.725 mg/m <sup>3</sup> | Not relevant |

**PNEC:**

| Identification  |              | Short exposure |                         | Long exposure |  |
|---|--------------|----------------|-------------------------|---------------|--|
| 2-(4-methylcyclohex-3-en-1-yl)propan-2-ol<br>CAS: Non-applicable<br>EC: 701-188-3 | STP          | 2.57 mg/L      | Fresh water             | 0.012 mg/L    |  |
|   | Soil         | 0.045 mg/kg    | Marine water            | 0.0012 mg/L   |  |
|   | Intermittent | 0.12 mg/L      | Sediment (Fresh water)  | 0.263 mg/kg   |  |
|   | Oral         | 0.0166 g/kg    | Sediment (Marine water) | 0.026 mg/kg   |  |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0<br>EC: 246-680-4                | STP          | 50 mg/L        | Fresh water             | 0.693 mg/L    |  |
|   | Soil         | 25 mg/kg       | Marine water            | 1 mg/L        |  |
|   | Intermittent | 0.654 mg/L     | Sediment (Fresh water)  | 27.5 mg/kg    |  |
|   | Oral         | 0.02 g/kg      | Sediment (Marine water) | 2.75 mg/kg    |  |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8<br>EC: 252-104-2               | STP          | 4168 mg/L      | Fresh water             | 19 mg/L       |  |
|   | Soil         | 2.74 mg/kg     | Marine water            | 1.9 mg/L      |  |
|   | Intermittent | 190 mg/L       | Sediment (Fresh water)  | 70.2 mg/kg    |  |
|   | Oral         | Not relevant   | Sediment (Marine water) | 7.02 mg/kg    |  |
| P-mentha-1,4(8)-diene<br>CAS: 586-62-9<br>EC: 209-578-0                           | STP          | 0.2 mg/L       | Fresh water             | 0.000634 mg/L |  |
|   | Soil         | 0.0291 mg/kg   | Marine water            | 0.000063 mg/L |  |
|   | Intermittent | 0.00634 mg/L   | Sediment (Fresh water)  | 0.147 mg/kg   |  |
|   | Oral         | 0.01031 g/kg   | Sediment (Marine water) | 0.0147 mg/kg  |  |
| d-limonene<br>CAS: 5989-27-5<br>EC: 227-813-5                                     | STP          | 1.8 mg/L       | Fresh water             | 0.014 mg/L    |  |
|   | Soil         | 0.763 mg/kg    | Marine water            | 0.0014 mg/L   |  |
|   | Intermittent | Not relevant   | Sediment (Fresh water)  | 3.85 mg/kg    |  |
|   | Oral         | 0.133 g/kg     | Sediment (Marine water) | 0.385 mg/kg   |  |
| 2-aminoethanol<br>CAS: 141-43-5<br>EC: 205-483-3                                  | STP          | 100 mg/L       | Fresh water             | 0.07 mg/L     |  |
|   | Soil         | 1.29 mg/kg     | Marine water            | 0.007 mg/L    |  |
|   | Intermittent | 0.028 mg/L     | Sediment (Fresh water)  | 0.357 mg/kg   |  |
|   | Oral         | Not relevant   | Sediment (Marine water) | 0.036 mg/kg   |  |
| p-mentha-1,4-diene<br>CAS: 99-85-4<br>EC: 202-794-6                               | STP          | 10 mg/L        | Fresh water             | 0.003 mg/L    |  |
|   | Soil         | 0.423 mg/kg    | Marine water            | 0 mg/L        |  |
|   | Intermittent | Not relevant   | Sediment (Fresh water)  | 0.49 mg/kg    |  |
|   | Oral         | Not relevant   | Sediment (Marine water) | 0.049 mg/kg   |  |

**8.2 Exposure controls:**

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

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<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 more 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**

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.


**C.- Specific protection for the hands**

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**


Date of compilation: 26/09/2024 Version: 1

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**

| Pictogram  | PPE  | Remarks  |
|--|--|--|
| <br>Mandatory hand protection | Chemical protective gloves (Material: Nitrile, Breakthrough time: > 480 min, Thickness: 0.11 mm, Conditions of use: Splashing) | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material cannot 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   |
|--|---|---|
| <br>Mandatory face protection | Panoramic glasses against splash/projections. | 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   |
|-----------|----------------------|---|
|           | Work clothing        | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
|           | Anti-slip work shoes | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2022 y EN 13832-1:2007                                 |

**F.- Additional emergency measures**

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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

**Appearance:**

|  |                         |
|--|-------------------------|
| Physical state at 20 °C:               | Liquid                  |
| Appearance:                            | Semitransparent         |
| Colour:                                | Brown                   |
| Odour:                                 | Pine                    |
| Odour threshold:                       | Not relevant *          |
| <b>Volatility:</b>                     |                         |
| Boiling point at atmospheric pressure: | 109 °C                  |
| Vapour pressure at 20 °C:              | 2295 Pa                 |
| Vapour pressure at 50 °C:              | 12091.48 Pa (12.09 kPa) |
| Evaporation rate at 20 °C:             | Not relevant *          |

**Product description:**

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

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

|  |                        |
|--|------------------------|
| Density at 20 °C:  | Not relevant *         |
| Relative density at 20 °C:                                   | 1                      |
| 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:  | ~9.6                   |
| 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:                                       | Emulsifiable           |
| Decomposition temperature:                                   | Not relevant *         |
| Melting point/freezing point:                                | Not relevant *         |
| <b>Flammability:</b>   |                        |
| Flash Point:   | Non Flammable (>60 °C) |
| Flammability (solid, gas):                                   | Not relevant *         |
| Autoignition temperature:                                    | Not relevant *         |
| Lower flammability limit:                                    | Not relevant *         |
| Upper flammability limit:                                    | Not relevant *         |
| <b>Particle characteristics:</b>                             |                        |
| Median equivalent diameter:                                  | Non-applicable         |
| <b>9.2 Other information:</b>                                |                        |
| <b>Information with regard to physical hazard classes:</b>   |                        |
| 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 *         |
| <b>Other safety characteristics:</b>                         |                        |
| 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   | Precaution              | Precaution | Not applicable |

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 10: STABILITY AND REACTIVITY (continued)**

**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 (CO<sub>2</sub>), 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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

**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, however, it contains substances classified as dangerous 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):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces serious 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.
- 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: 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.

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:

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

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: 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.
- Skin: 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.

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

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

**Specific toxicology information on the substances:**

| Identification   | Acute toxicity  |                    | Genus  |
|--|-----------------|--------------------|--------|
|  | Route           | Dose/Concentration |        |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8   | LD50 oral       | >5000 mg/kg        | Rat    |
|  | LD50 dermal     | 9510 mg/kg         | Rabbit |
|  | LC50 inhalation | >20 mg/L           |        |
| 2-(4-methylcyclohex-3-en-1-yl)propan-2-ol<br>CAS: Non-applicable   | LD50 oral       | >5000 mg/kg        |        |
|  | LD50 dermal     | >5000 mg/kg        |        |
|  | LC50 inhalation | >20 mg/L           |        |
| P-mentha-1,4(8)-diene<br>CAS: 586-62-9   | LD50 oral       | >5000 mg/kg        |        |
|  | LD50 dermal     | >5000 mg/kg        |        |
|  | LC50 inhalation | >20 mg/L           |        |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0  | LD50 oral       | 500 mg/kg (ATEi)   |        |
|  | LD50 dermal     | >5000 mg/kg        |        |
|  | LC50 inhalation | >5 mg/L            |        |
| d-limonene<br>CAS: 5989-27-5   | LD50 oral       | 4400 mg/kg         | Rat    |
|  | LD50 dermal     | >5000 mg/kg        | Rabbit |
|  | LC50 inhalation | >20 mg/L           |        |
| Longifolene<br>CAS: 475-20-7   | LD50 oral       | >5000 mg/kg        |        |
|  | LD50 dermal     | >5000 mg/kg        |        |
|  | LC50 inhalation | >20 mg/L           |        |
| 2-aminoethanol<br>CAS: 141-43-5  | LD50 oral       | 1515 mg/kg         | Rat    |
|  | LD50 dermal     | 2504 mg/kg         | Rabbit |
|  | LC50 inhalation | 11 mg/L (4 h)      | Rat    |
| p-mentha-1,4-diene<br>CAS: 99-85-4   | LD50 oral       | 3850 mg/kg         | Rat    |
|  | LD50 dermal     | >5000 mg/kg        |        |
|  | LC50 inhalation | >20 mg/L           |        |
| Caryophyllene<br>CAS: 87-44-5  | LD50 oral       | >5000 mg/kg        | Rat    |
|  | LD50 dermal     | >5000 mg/kg        |        |
|  | LC50 inhalation | >20 mg/L           |        |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9 | LD50 oral       | 64 mg/kg           | Rat    |
|  | LD50 dermal     | 87.12 mg/kg        | Rabbit |
|  | LC50 inhalation | 0.33 mg/L (4h)     | Rat    |

**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      |
|--|---------------|--------------------|---------------------------------|------------|
|  | Endpoint      | Dose/Concentration |                                 |            |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0  | LC50          | >3.2 mg/L          | Salmo gairdneri                 | Fish       |
|  | EC50          | >3.5 mg/L          | Daphnia magna                   | Crustacean |
|  | EC50          | >21 mg/L           | Pseudokirchneriella subcapitata | Algae      |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8 | LC50          | 10000 mg/L (96 h)  | Pimephales promelas             | Fish       |
|  | EC50          | 1919 mg/L (48 h)   | Daphnia magna                   | Crustacean |
|  | EC50          | Not relevant       |                                 |            |

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
 C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification   | Concentration |                      | Species                 | Genus      |
|--|---------------|----------------------|-------------------------|------------|
|  | LC50          | EC50                 |                         |            |
| P-mentha-1,4(8)-diene<br>CAS: 586-62-9   | LC50          | >1 - 10 mg/L (96 h)  |                         | Fish       |
|  | EC50          | >1 - 10 mg/L (48 h)  |                         | Crustacean |
|  | EC50          | >1 - 10 mg/L (72 h)  |                         | Algae      |
| d-limonene<br>CAS: 5989-27-5   | LC50          | >0.1 - 1 mg/L (96 h) |                         | Fish       |
|  | EC50          | >0.1 - 1 mg/L (48 h) |                         | Crustacean |
|  | EC50          | >0.1 - 1 mg/L (72 h) |                         | Algae      |
| Longifolene<br>CAS: 475-20-7   | LC50          | Not relevant         |                         |            |
|  | EC50          | 0.119 mg/L (48 h)    | Daphnia magna           | Crustacean |
|  | EC50          | 0.28 mg/L (72 h)     | N/A                     | Algae      |
| 2-aminoethanol<br>CAS: 141-43-5  | LC50          | 349 mg/L (96 h)      | Cyprinus carpio         | Fish       |
|  | EC50          | 65 mg/L (48 h)       | Daphnia magna           | Crustacean |
|  | EC50          | 22 mg/L (72 h)       | Scenedesmus subspicatus | Algae      |
| Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>CAS: 55965-84-9 | LC50          | >0.1 - 1 mg/L (96 h) |                         | Fish       |
|  | EC50          | >0.1 - 1 mg/L (48 h) |                         | Crustacean |
|  | EC50          | >0.1 - 1 mg/L (72 h) |                         | Algae      |

**Chronic toxicity:**

| Identification                                     | Concentration |              | Species         | Genus      |
|--|---------------|--------------|-----------------|------------|
|  | NOEC          | EC50         |                 |            |
| Sodium dodecylbenzenesulfonate<br>CAS: 25155-30-0  | NOEC          | Not relevant |                 |            |
|  | NOEC          | 1.18 mg/L    | Daphnia magna   | Crustacean |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8 | NOEC          | Not relevant |                 |            |
|  | NOEC          | 0.5 mg/L     | Daphnia magna   | Crustacean |
| 2-aminoethanol<br>CAS: 141-43-5                    | NOEC          | 1.24 mg/L    | Oryzias latipes | Fish       |
|  | NOEC          | 0.85 mg/L    | Daphnia magna   | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification                                     | Degradability |              | Biodegradability |              |
|--|---------------|--------------|------------------|--------------|
|  | BOD5          | COD          | Concentration    | Period       |
| Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8 | BOD5          | Not relevant | Concentration    | Not relevant |
|  | COD           | 0 g O2/g     | Period           | 28 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 73 %         |
| P-mentha-1,4(8)-diene<br>CAS: 586-62-9             | BOD5          | Not relevant | Concentration    | 2 mg/L       |
|  | COD           | Not relevant | Period           | 28 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 81 %         |
| d-limonene<br>CAS: 5989-27-5                       | BOD5          | Not relevant | Concentration    | 10 mg/L      |
|  | COD           | Not relevant | Period           | 28 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 71.4 %       |
| Longifolene<br>CAS: 475-20-7                       | BOD5          | Not relevant | Concentration    | 2 mg/L       |
|  | COD           | Not relevant | Period           | 28 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 68 %         |
| 2-aminoethanol<br>CAS: 141-43-5                    | BOD5          | Not relevant | Concentration    | 20 mg/L      |
|  | COD           | Not relevant | Period           | 21 days      |
|  | BOD5/COD      | Not relevant | % Biodegradable  | 90 %         |

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 12: ECOLOGICAL INFORMATION (continued)**

| Identification | Degradability                      |              | Biodegradability |               |
|----------------|------------------------------------|--------------|------------------|---------------|
|                | p-mentha-1,4-diene<br>CAS: 99-85-4 | BOD5         | Not relevant     | Concentration |
|                | COD                                | Not relevant | Period           | 28 days       |
|                | BOD5/COD                           | Not relevant | % Biodegradable  | 27 %          |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification                         | Bioaccumulation potential                          |       |
|--|--|-------|
|  | Dipropylene Glycol Methyl Ether<br>CAS: 34590-94-8 | BCF   |
|  | Pow Log  | -0.06 |
|  | Potential  | Low   |
| P-mentha-1,4(8)-diene<br>CAS: 586-62-9 | BCF  | 334   |
|  | Pow Log  | 4.29  |
|  | Potential  | High  |
| d-limonene<br>CAS: 5989-27-5           | BCF  | 660   |
|  | Pow Log  | 4.83  |
|  | Potential  | High  |
| Longifolene<br>CAS: 475-20-7           | BCF  |       |
|  | Pow Log  | 5     |
|  | Potential  |       |
| 2-aminoethanol<br>CAS: 141-43-5        | BCF  | 3     |
|  | Pow Log  | -1.31 |
|  | Potential  | Low   |

**12.4 Mobility in soil:**

| Identification                     | Absorption/desorption                  |                      | Volatility |                               |
|------------------------------------|--|----------------------|------------|-------------------------------|
|                                    | P-mentha-1,4(8)-diene<br>CAS: 586-62-9 | Koc                  | 1120       | Henry                         |
|                                    | Conclusion                             | Low                  | Dry soil   | Not relevant                  |
|                                    | Surface tension                        | 2.865E-2 N/m (25 °C) | Moist soil | Not relevant                  |
| d-limonene<br>CAS: 5989-27-5       | Koc                                    | 6324                 | Henry      | Not relevant                  |
|                                    | Conclusion                             | Immobile             | Dry soil   | Not relevant                  |
|                                    | Surface tension                        | 2.675E-2 N/m (25 °C) | Moist soil | Not relevant                  |
| 2-aminoethanol<br>CAS: 141-43-5    | Koc                                    | 0.27                 | Henry      | 3.7E-5 Pa·m <sup>3</sup> /mol |
|                                    | Conclusion                             | Very High            | Dry soil   | No                            |
|                                    | Surface tension                        | 5.025E-2 N/m (25 °C) | Moist soil | No                            |
| p-mentha-1,4-diene<br>CAS: 99-85-4 | Koc                                    | 8038                 | Henry      | Not relevant                  |
|                                    | Conclusion                             | Immobile             | Dry soil   | Not relevant                  |
|                                    | Surface tension                        | 2.991E-2 N/m (25 °C) | Moist soil | Not relevant                  |

**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 |
|-----------|--|-------------|
| 20 01 29* | detergents containing hazardous substances | Hazardous   |

**Type of waste:**

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

**Waste management (disposal and evaluation):**

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**SECTION 13: DISPOSAL CONSIDERATIONS (continued)**

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.

**SECTION 14: TRANSPORT INFORMATION**

This product is not regulated for transport (ADR/RID,IMDG,IATA)

**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 Detergents (Amendment) (EU Exit) Regulations:**

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in The Detergents (Amendment) (EU Exit) Regulations. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

Labelling for contents:

| Component           | Concentration interval |
|---------------------|------------------------|
| Phosphates          | % (w/w) < 5            |
| Anionic surfactants | % (w/w) < 5            |
| perfumes            |                        |

Allergenic fragrances: (+)-pin-2(3)-ene (D-ALPHA-PINENE), Caryophyllene (beta-CARYOPHYLLENE), d-limonene (LIMONENE).

Preservation agents: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (METHYLCHLOROISOTHIAZOLINONE / METHYLISOTHIAZOLINONE).

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

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.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains sulphuric acid. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.

**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.

COSHH-SR24 Storing chemical products (small scale).

COSHH-SR2 Diluting chemical concentrates.

COSHH-SR4 Manual cleaning and disinfecting surfaces.

The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019: SCHEDULE 34 - Amendment of Regulation (EC) No 1223/2009 and related amendments.

The Detergents (Amendment) (EU Exit) Regulations 2020.

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024 Version: 1

**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:**

H412: Harmful to aquatic life with long lasting effects.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

**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):**

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Eye Dam. 1: H318 - Causes serious eye damage.

Eye Irrit. 2: H319 - Causes serious eye irritation.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Met. Corr. 1: H290 - May be corrosive to metals.

Repr. 2: H361 - Suspected of damaging fertility or the unborn child.

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

Skin Sens. 1B: H317 - May cause an allergic skin reaction.

STOT SE 3: H335 - May cause respiratory irritation.

**Classification procedure:**

Aquatic Chronic 3: Calculation method

Skin Irrit. 2: Calculation method

Eye Dam. 1: Calculation method

Skin Sens. 1B: Calculation method

**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:**

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

- CONTINUED ON NEXT PAGE -

**FR3 Vinyl & Quarry Tile Floor Cleaner  
C545**

Date of compilation: 26/09/2024      Version: 1

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 -