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

1.1 Product identifier

· Trade name: Nullifire SC803

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

No further relevant information available.

· Application of the substance / the mixture

Coating compound/ Surface coating/ paint
Fire retarding agent

1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

  tremco illbruck Ltd
  Coupland Road, Hindley Green, WIGAN, WN2 4HT
  Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410
  msds@tremco-illbruck.com

· Further information obtainable from:

  tremco illbruck Ltd
  Torrington Avenue, Coventry, CV4 9TJ
  T: +44 (0) 2476855000, F: +44 (0) 2476469547
  www.nullifire.com, protect@nullifire.com

1.4 Emergency telephone number:

During office hours tel.: +44 (0) 2476855000. At all other times please contact your national poisoning centre.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

  The product is not classified according to the CLP regulation.

2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

2.3 Precautionary statements

P233 Keep container tightly closed.
P260 Do not breathe spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / protective clothing.
P284 In case of inadequate ventilation wear respiratory protection.
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.

· Supplemental information:

  EUH210 Safety data sheet available on request.

· Regulation (EC) No 528/2012 on biocidal products Contains a biocidal product: C(M)IT/MIT (3:1)

(Contd. on page 2)
Trade name: Nullifire SC803

- 2.3 Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
  - Description: Mixture of substances listed below with non-hazardous additions.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EC number: 911-815-4</td>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
</tr>
<tr>
<td>Reg.nr.: 01-2119486772-26-xxxx</td>
<td>Acute Tox. 4, H302</td>
</tr>
</tbody>
</table>

- Additional information:
  Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.
  For the wording of the listed hazard phrases refer to section 16.

<table>
<thead>
<tr>
<th>Regulation (EU) No 528/2012 Biocidal Products Regulation</th>
</tr>
</thead>
</table>

SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - After inhalation:
    Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
    If skin irritation continues, consult a doctor.
  - After eye contact:
    Rinse opened eye for several minutes under running water. Then consult a doctor.
  - After swallowing:
    Rinse out mouth and then drink plenty of water.
    Seek immediate medical advice.

- 4.2 Most important symptoms and effects, both acute and delayed
  - Allergic reactions

- Information for doctor: No further relevant information available.

- Hazards: No further relevant information available.

- 4.3 Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
    Use fire extinguishing methods suitable to surrounding conditions.

- 5.2 Special hazards arising from the substance or mixture
  Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
  - Protective equipment: Wear self-contained respiratory protective device.
Additional information
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Wear protective clothing.

6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent

6.4 Reference to other sections
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with the eyes and skin.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Information about storage in one common storage facility: Protect from heat and direct sunlight.
Further information about storage conditions:
Keep container tightly sealed.
Protect from frost.
Storage temperature: +5°C to +25°C

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
Fillers are encapsulated within the liquid and therefore not expected to be released from the product under normal conditions of use.

DNELs

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral consumer limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
<td>0.52 mg/kg/24h (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

(Contd. on page 4)
## Safety data sheet

**Trade name: Nullifire SC803**

### 46.0.2

<table>
<thead>
<tr>
<th>Exposure Route</th>
<th>Industrial</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal</td>
<td>2.08 mg/kg/24h (workers) (systemic effects)</td>
<td>1.04 mg/kg/24h (general public) (systemic effects)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>5.82 mg/m³ (workers) (systemic effects)</td>
<td>1.46 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

### Short term effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Dermal</th>
<th>Consumer</th>
</tr>
</thead>
<tbody>
<tr>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
<td>8 mg/kg/24h (workers) (systemic effects)</td>
<td>4 mg/kg/24h (general public) (systemic effects)</td>
</tr>
<tr>
<td></td>
<td>22.4 mg/m³ (workers) (systemic effects)</td>
<td>11.2 mg/m³ (general public) (systemic effects)</td>
</tr>
</tbody>
</table>

### PNECs

<table>
<thead>
<tr>
<th>Substance</th>
<th>PNEC fresh water</th>
<th>PNEC marine</th>
</tr>
</thead>
<tbody>
<tr>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
<td>0.64 mg/L</td>
<td>0.064 mg/L</td>
</tr>
<tr>
<td></td>
<td>1.7 mg/kg dwt (soil)</td>
<td>1.34 mg/kg dwt (sediment (salt water))</td>
</tr>
</tbody>
</table>

### Additional information:

The lists valid during the making were used as basis.

### 8.2 Exposure controls

- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    - Do not breathe spray.
    - Avoid contact with the eyes and skin.
  - **Respiratory protection:**
    - Only during spraying without adequate removal by suction.
    - Filter A/P2
  - **Protection of hands:**
    - Protective gloves
      - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - **Material of gloves**
      - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
      - Fluorocarbon rubber (Viton)
      - Nitrile rubber, NBR
      - PVC or PE gloves
  - **Penetration time of glove material**
    - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
### SECTION 9: Physical and chemical properties

<table>
<thead>
<tr>
<th>9.1 Information on basic physical and chemical properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Form: Liquid</td>
<td></td>
</tr>
<tr>
<td>Colour: White</td>
<td></td>
</tr>
<tr>
<td>Odour: Characteristic</td>
<td></td>
</tr>
<tr>
<td>pH-value: 8.0 - 9.5</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point: Undetermined.</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range: 100 °C</td>
<td></td>
</tr>
<tr>
<td>Flash point: &gt;150 °C</td>
<td></td>
</tr>
<tr>
<td>Explosive properties: Product does not present an explosion hazard.</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure at 20 °C: 2.4 hPa</td>
<td></td>
</tr>
<tr>
<td>Density at 20 °C: 1.42 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Solubility in / Miscibility with water: Fully miscible.</td>
<td></td>
</tr>
<tr>
<td>Solvent content: VOC (EU) &lt;0.5 g/l</td>
<td></td>
</tr>
<tr>
<td>9.2 Other information No further relevant information available.</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 10: Stability and reactivity

| 10.1 Reactivity Stable |  |
| 10.2 Chemical stability |  |
| Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications. |  |
| 10.3 Possibility of hazardous reactions Reacts with acids, alkalis and oxidising agents. |  |
| 10.4 Conditions to avoid Protect from frost. |  |
| 10.5 Incompatible materials: No further relevant information available. |  |
| 10.6 Hazardous decomposition products: Possible in traces. Carbon monoxide and carbon dioxide Nitrogen oxides |  |

(Contd. on page 6)
SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD50 [mg/kg (rat)]</th>
</tr>
</thead>
<tbody>
<tr>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
<td>632</td>
</tr>
</tbody>
</table>

Primary irritant effect:
- Skin corrosion/irritation Slight irritation possible.
- Serious eye damage/irritation Slight irritation possible.
- Respiratory or skin sensitisation Sensitising effect by skin contact is possible by prolonged exposure.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
No further relevant information available.

<table>
<thead>
<tr>
<th>Compound</th>
<th>LC50 [mg/L (pimephales promelas)]</th>
</tr>
</thead>
<tbody>
<tr>
<td>tris(2-chloro-1-methylethyl)phosphate</td>
<td>51</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Additional ecological information:
- General notes:
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
Do not allow product to reach sewage system or any water course.
Disposal must be made according to official regulations.
Waste disposal key: UK (WM3) : n/a
Trade name: Nullifire SC803

- European waste catalogue
  08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

- Uncleaned packaging:
  - Recommendation:
    Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
    Packagings that may not be cleansed are to be disposed of in the same manner as the product.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- 14.1 UN-Number
  ADR, ADN, IMDG, IATA Void

- 14.2 UN proper shipping name
  ADR, ADN, IMDG, IATA Void

- 14.3 Transport hazard class(es)
  ADR, ADN, IMDG, IATA
  Class Void

- 14.4 Packing group
  ADR, IMDG, IATA Void

- 14.5 Environmental hazards:
  Marine pollutant: No

- 14.6 Special precautions for user
  Not applicable.

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  Not applicable.

- UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  Regulation (EU) 2016/131 of 1 February 2016 approving C(M)IT/MIT (3:1) as an existing active substance for use in biocidal products for product-types 2, 4, 6, 11, 12 and 13.
  HSE EH40/2005 Workplace Exposure Limits (as amended)

- National regulations:
  - Additional classification according to Decree on Hazardous Materials, Annex II:
    No further relevant information available.
· Information about limitation of use: No further relevant information available.

· Other regulations, limitations and prohibitive regulations
  · Substances of very high concern (SVHC) according to REACH, Article 57 Not applicable.
  · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases
  H302 Harmful if swallowed.

· Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  VOC: Volatile Organic Compounds (USA, EU)
  PNEC: Predicted No-Effect Concentration (REACH)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  SVHC: Substances of Very High Concern
  vPvB: very Persistent and very Bioaccumulative
  Acute Tox. 4: Acute toxicity – Category 4

· * Data compared to the previous version altered.