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

1.1 Product identifier

- Trade name: Nullifire SC901 B
- MSDS code: W-N-SC901B

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

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

  - tremco illbruck Ltd
  - Coupland Road, Hindley Green, Wigan, WN2 4HT
  - T: +44 (0) 1942251400, F: +44 (0) 1942251410
  - www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.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
  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Dam. 1 H318 Causes serious eye damage.

- Additional information: (EC) 1272/2008: 2.6.4.5

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
  - The product is classified and labelled according to the CLP regulation.
- Hazard pictograms

  - GHS05

- Signal word Danger

(Contd. on page 2)
Trade name: Nullifire SC901 B

- Contains:
  - 3-(trimethoxysilyl)propylamine

- Hazard statements
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.

- Precautionary statements
  - P280 Wear protective gloves / eye protection / face protection.
  - 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.

  - VOC 2004/42/CE (A / j) = <500 g/l
  - Nullifire SC901 B = 112 g/l

- 2.3 Other hazards
  - No further relevant information available.

- 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.

| CAS: 1330-20-7 | EINECS: 215-535-7 | xylene (mix) | Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 | 5-<10% |
| CAS: 13822-56-5 | EINECS: 237-511-5 | 3-(trimethoxysilyl)propylamine | Eye Dam. 1, H318; Skin Irrit. 2, H315 | 5-<10% |
| CAS: 100-41-4 | EINECS: 202-849-4 | ethylbenzene | Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412 | 1-<5% |

- SVHC
  - Additional information:
    While curing the following substances are formed and released by a reaction with atmospheric humidity:
    Methanol (CAS 67-56-1)
    For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - General information: Take affected persons out of danger area and lay down.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
Trade name: Nullifire SC901 B

- **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. If symptoms persist, consult a doctor.

- **After swallowing:**
  Do not induce vomiting; call for medical help immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**
  Irritant to skin and mucous membranes.
  Risk of serious damage to eyes.

- **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.

- **For safety reasons unsuitable extinguishing agents:**
  Water with full jet

- **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:
  Mouth respiratory protective device.
  Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation.

- **6.2 Environmental precautions:**
  Do not allow to enter sewers/surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of contaminated material as waste according to Section 13.
  Ensure adequate ventilation.

- **6.4 Reference to other sections**
  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.

- **Information about fire and explosion protection:**
  Flammable liquid and vapour.
Trade name: Nullifire SC901 B

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Provide ventilation for receptacles.
Information about storage in one common storage facility: Protect from heat and direct sunlight.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
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:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Name</th>
<th>WEL Short-term value</th>
<th>WEL Long-term value</th>
<th>Sk; BMGV Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>xylene (mix)</td>
<td>441 mg/m³, 100 ppm</td>
<td>220 mg/m³, 50 ppm</td>
<td></td>
</tr>
<tr>
<td>100-41-4</td>
<td>ethylbenzene</td>
<td>552 mg/m³, 125 ppm</td>
<td>441 mg/m³, 100 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Name</th>
<th>BMGV Biological Limit Value</th>
<th>Medium</th>
<th>Sampling time</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>xylene (mix)</td>
<td>650 mmol/mol creatinine</td>
<td>urine</td>
<td>post shift</td>
<td>methyl hippuric acid</td>
</tr>
</tbody>
</table>

Additional Occupational Exposure Limit Values for possible hazards during processing:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Name</th>
<th>WEL Short-term value</th>
<th>WEL Long-term value</th>
<th>Sk</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1</td>
<td>methanol</td>
<td>333 mg/m³, 250 ppm</td>
<td>266 mg/m³, 200 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Additional information:
The lists valid during the making were used as basis.
HSE EH40/2005 Workplace Exposure Limits (as amended)

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Do not breathe spray.
Do not eat, drink, smoke or sniff while working.
Avoid contact with the eyes and skin.

(Contd. on page 5)
Trade name: Nullifire SC901 B

- **Respiratory protection:**
  Use only in well-ventilated areas.
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  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**
  Nitrile rubber, NBR
  Fluorocarbon rubber (Viton)
  PVA 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.
- **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.
- **Eye protection:**
  Tightly sealed goggles
- **Body protection:**
  Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
  - **Appearance:**
    - **Form:** Viscous
    - **Colour:** According to product specification
    - **Odour:** Characteristic
    - **Melting point/freezing point:** Undetermined.
    - **Initial boiling point and boiling range:** >100 °C
  - **Flash point:** 51 °C
  - **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

(Contd. on page 6)
SECTION 10: Stability and reactivity

· 10.1 Reactivity Stable
· 10.2 Chemical stability
· 10.3 Possibility of hazardous reactions Reacts with acids, alkalis and oxidising agents.
· 10.4 Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
· 10.5 Incompatible materials: No further relevant information available.
· 10.6 Hazardous decomposition products:
  Methanol
  Nitrogen oxides
  Carbon monoxide and carbon dioxide

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>Substance</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
<th>Dermal LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7 xylene (mix)</td>
<td>Oral LD50 3,523 mg/kg (rat)</td>
<td>Dermal LD50 &gt;5,000 mg/kg (rabbit)</td>
<td>Inhalative LC50/4 h 27.124 mg/L (rat)</td>
<td>Dermal LC50/4 h 5,000 ppmV (rat)</td>
</tr>
<tr>
<td>13822-56-5 3-(trimethoxysilyl)propylamine</td>
<td>Oral LD50 &gt;2,000 mg/kg (rat) (OECD 401)</td>
<td>Dermal LD50 &gt;10,000 mg/kg (rabbit) (OECD 402)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-41-4 ethylbenzene</td>
<td>Oral LD50 3,500 mg/kg (rat)</td>
<td>Dermal LD50 17,800 mg/kg (rabbit)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

· Primary irritant effect:
· Skin corrosion/irritation
Causes skin irritation.
Causes skin irritation.
· Serious eye damage/irritation
  Risk of serious damage to eyes.
  Causes serious eye damage.
· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
· Additional toxicological information: Repeated exposure may cause skin dryness or cracking.
· 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:
    1330-20-7 xylene (mix)
    LC50/96 h 4.2 mg/L (rainbow trout)
    EC50/48 h 2.93-4.4 mg/L (daphnia magna)
  13822-56-5 3-(trimethoxysilyl)propylamine
    LC50/96 h >934 mg/L (brachydanio rerio) (OECD TG 203)
    EC50/48 h 331 mg/L (daphnia magna) (OECD TG 202)
    EC50/72 h >1,000 mg/L (desmodesmus subspicatus) (OECD 201)
· 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.
  · Ecotoxicological effects:
    1330-20-7 xylene (mix)
    IC50/72 h 2.2 mg/L (algae)
· Additional ecological information:
  · General notes:
    Overall evaluation
    Avoid transfer into the environment.
· 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
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.
  Disposal must be made according to official regulations.
Trade name: Nullifire SC901 B

---

### European waste catalogue

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08 01 11*</td>
<td>waste paint and varnish containing organic solvents or other hazardous substances</td>
</tr>
<tr>
<td>HP 4</td>
<td>Irritant - skin irritation and eye damage</td>
</tr>
</tbody>
</table>

---

### Uncleaned packaging:

**Recommendation:**
Disposal must be made according to official regulations.
Packagings that may not be cleansed are to be disposed of in the same manner as the product.
Non contaminated packagings may be recycled.

---

### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN-Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, ADN, IMDG, IATA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2 UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, ADN, IMDG, IATA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3 Transport hazard class(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, ADN, IMDG, IATA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, IMDG, IATA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5 Environmental hazards:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport/Additional information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
</tr>
<tr>
<td>IMDG</td>
</tr>
<tr>
<td>IATA</td>
</tr>
</tbody>
</table>

---

### SECTION 15: Regulatory information

<table>
<thead>
<tr>
<th>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSE EH40/2005 Workplace Exposure Limits (as amended)</td>
</tr>
</tbody>
</table>

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2001/118/EC as regards the list of wastes

2008/98/EC on waste

· Directive 2012/18/EU
· Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t
· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· National regulations:
· 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
  H225 Highly flammable liquid and vapour.
  H226 Flammable liquid and vapour.
  H304 May be fatal if swallowed and enters airways.
  H312 Harmful in contact with skin.
  H313 Causes skin irritation.
  H318 Causes serious eye damage.
  H319 Causes serious eye irritation.
  H332 Harmful if inhaled.
  H335 May cause respiratory irritation.
  H373 May cause damage to organs through prolonged or repeated exposure.
  H412 Harmful to aquatic life with long lasting effects.

· 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)
  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
  Flam. Liq. 2: Flammable liquids – Category 2
  Flam. Liq. 3: Flammable liquids – Category 3
  Acute Tox. 4: Acute toxicity – Category 4
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
### Trade name: Nullifire SC901 B

<table>
<thead>
<tr>
<th>STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1: Aspiration hazard – Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3</td>
</tr>
</tbody>
</table>

- * Data compared to the previous version altered.