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TUFFACURE R90 AL

Revision 3 Revision date 2015-06-17

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

1.1. Product identifier

| | |
|--------------|------------------|
| Product name | TUFFACURE R90 AL |
|--------------|------------------|

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

| | |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU19] Building and construction work; |
|-------------|--|

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------------------------|--|
| Company | Norsekem Limited |
| Address | Unit 6c Stokes Farm, Binfield Road, Wokingham, Berkshire RG40 5PR |
| Web | www.norsekem.co.uk |
| Telephone | 0845 4027663 |
| Fax | 0845 4027662 |
| Email address of the competent person | safety@norsekem.co.uk |

1.4. Emergency telephone number


| | |
|----------------------------|---|
| Emergency telephone number | +44 (0) 118 989 9729 9.00 am - 5.00 pm (GMT) Mon - Fri |
|----------------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|---|
| 2.1.1. Classification - 1999/45/EC | Xn; R65 N; R51/53 R10-66-67 Symbols: Xn: Harmful. N: Dangerous for the environment. |
| Main hazards | Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. |
| 2.1.2. Classification - EC 1272/2008 | Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411; |

2.2. Label elements

| | |
|-------------------|--|
| Hazard pictograms |  |
| Signal Word | DANGER |
| Hazard Statement | Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. |

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2.2. Label elements

| | |
|-------------------------------------|---|
| Precautionary Statement: Prevention | P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P301+P310 - IF SWALLOWED Immediately call a POISON CENTER/doctor/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER/doctor if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P331 - Do NOT induce vomiting. P370+P378 - In case of fire: Use to extinguish. P391 - Collect spillage. |
| Precautionary Statement: Storage | P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. |
| Precautionary Statement: Disposal | P501 - Dispose of contents/container in accordance with local/national regulations. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---|--------------|------------|-----------|---------------------------|--------------|--|-----------|
| WHITE SPIRIT | | 64742-88-7 | 265-191-7 | | 50 - 60% | Xn; R65 N; R51/53 R10-66-67 | |
| 1,2,4-TRIMETHYLBENZENE | 601-043-00-3 | 95-63-6 | 202-436-9 | | 10 - 20% | R10 Xn; R20 Xi; R36/37/38 N; R51/53 | |
| Low boiling point naphtha - unspecified - solvent naphtha (petroleum), light arom | | 64742-95-6 | 265-199-0 | | 10 - 20% | Xn; R65 | |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|------------------------|--------------|------------|-----------|---------------------------|--------------|--|-----------|
| WHITE SPIRIT | | 64742-88-7 | 265-191-7 | | 50 - 60% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411; | |
| 1,2,4-TRIMETHYLBENZENE | 601-043-00-3 | 95-63-6 | 202-436-9 | | 10 - 20% | Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2: H411; | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|------------|--|
| Inhalation | Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention. |
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|--------------|---|
| Eye contact | May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist. |
| Skin contact | May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

See section 8 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

7.3. Specific end use(s)

See section 1.2 for further information.

8.1. Control parameters

8.1.1. Exposure Limit Values

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| | | |
|------------------------|---|--|
| 1,2,4-TRIMETHYLBENZENE | DIR: 2000/39 8hTWA mg/m3: 100 STEL mg/m3: - | 8hTWA ppm: 20 STEL ppm: - NOT: - |
|------------------------|---|--|

8.2. Exposure controls

| | |
|---|--|
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area. |
|---|--|

8.2. Exposure controls

| | |
|---------------------------------------|---|
| 8.2.2. Individual protection measures | Wear chemical protective clothing. |
| Eve / face protection | Approved safety goggles. |
| Skin protection - Handprotection | Chemical resistant gloves (PVC). |
| Respiratory protection | Self-contained breathing apparatus. Wear protective clothing. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------|----------------|
| Appearance | Liquid |
| Colour | Yellow |
| Odour | Characteristic |
| Flash point | 40 |
| Relative density | 0.835 |
| Viscosity | 7cst |

Water solubility

| | |
|--|---------------------|
| | Insoluble in water. |
|--|---------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|--|
| | Hazardous reactions will not occur under normal transport or storage conditions. |
|--|--|

10.4. Conditions to avoid

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

10.5. Incompatible materials

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

10.6. Hazardous decomposition products

| | |
|--|--|
| | Do not breathe gas/fumes/vapour/spray. |
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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11.1.4. Toxicological Information

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SECTION 12: Ecological information

12.1. Toxicity

| | |
|--|---|
| | No data available |
| | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

12.2. Persistence and degradability

| | |
|--|--|
| | |
|--|--|

12.3. Bioaccumulative potential

| | |
|--|------------------|
| | Bioaccumulation. |
|--|------------------|

Further information

| | |
|--|-----------------------------|
| | Toxic to aquatic organisms. |
|--|-----------------------------|

SECTION 13: Disposal considerations

General information

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
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Disposal methods


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|--|--|
| | Contact a licensed waste disposal company. |
|--|--|

Disposal of packaging

| | |
|--|---|
| | Dispose of in compliance with all local and national regulations. |
|--|---|

SECTION 14: Transport information

Hazard pictograms

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| |  |
|--|---|

14.1. UN number

| | |
|--|--------|
| | UN1268 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|-------------------------------|
| | PETROLEUM DISTILLATES. N.O.S. |
|--|-------------------------------|

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 3 |
| Subsidiary risk | - |
| IMDG | 3 |
| Subsidiary risk | - |
| IATA | 3 |
| Subsidiary risk | - |

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14.4. Packing group

| | |
|---------------|-----|
| Packing group | III |
|---------------|-----|

14.5. Environmental hazards

| | |
|-----------------------|-----|
| Environmental hazards | Yes |
| Marine pollutant | Yes |

ADR/RID

| | |
|-----------------|-------|
| Hazard ID | 30 |
| Tunnel Category | (D/E) |

IMDG

| | |
|----------|---------|
| EmS Code | F-E S-E |
|----------|---------|

IATA

| | |
|---------------------------------|-------|
| Packing Instruction (Cargo) | 366 |
| Maximum quantity | 220 L |
| Packing Instruction (Passenger) | 355 |
| Maximum quantity | 60 L |

SECTION 15: Regulatory information

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

| | |
|--|--|
| | COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. |
|--|--|

SECTION 16: Other information

Other information

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|-----------------------------------|---|
| Revision | This document differs from the previous version in the following areas: 2 - 2.1.2. Classification - EC 1272/2008. 2 - Hazard pictograms. 2 - Signal Word. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Storage. 2 - Precautionary Statement: Disposal. |
| Text of risk phrases in Section 3 | 12 - 12.1. Toxicity. R10 - Flammable R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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| | |
|--|--|
| Text of Hazard Statements in Section 3 | <p>R65 - Harmful: may cause lung damage if swallowed.</p> <p>R66 - Repeated exposure may cause skin dryness or cracking.</p> <p>R67 - Vapours may cause drowsiness and dizziness.</p> <hr/> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> |
| Further information | <p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p> |