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

1.1 Product identifier For professional use only

Trade name: Tefcote N4000HRX Base

Article number: 6823

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

1.3 Details of the supplier of the safety data sheet

Supplier: TEFCOTE SURFACE SYSTEMS

EMAIL: office@tefcote.co.uk

Further information obtainable from: office@tefcote.co.uk

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

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

Hazard-determining components of labelling:

Phenol, 4,4’-(1-methylethylidene) bis-, polymer with chloromethyl)oxirane, reaction products with ethylenediadime, epichlorohydrinpolyethylene glycol polymer, cresol glycidyl ether and 1, 4-bis(methylol)
cyclohexanediglycidyl ether propionic acid

Hazard statements

Causes serious eye damage.

Precautionary statements

Wear eye protection / face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.
SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>CAS</th>
<th>Substance</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7727-43-7</td>
<td>barium sulphate, natural substance with a Community workplace exposure limit</td>
<td>10-25%</td>
</tr>
<tr>
<td>79-09-4</td>
<td>propionic acid</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>20018-09-1</td>
<td>Diiodomethyl-p-tolyl sulfone</td>
<td>≤ 2.5%</td>
</tr>
</tbody>
</table>

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately and show safety datasheet or label.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

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.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Put on breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:
Dilute with plenty of water.
44. 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).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.

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
Hygiene measures:
Wash hands before breaks and at the end of workday.
Use protective skin cream before handling the product.
Keep receptacles tightly sealed.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions:
Keep receptacle tightly sealed and in a well-ventilated place.
Keep away from heat.

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:

7727-43-7 barium sulphate, natural
WEL Long-term value: 10**4*** mg/m³
*inhaleable dust **respirable dust

79-09-4 propionic acid
WEL Short-term value: 46 mg/m³, 15 ppm
Long-term value: 31 mg/m³, 10 ppm

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
Respiratory protection:
If spraying this product, an ABEK respirator to EN141 and EN405 is normally sufficient. If in doubt, consult a respirator manufacturer and show this safety data sheet.
Trade name: Tefcote N4000HRX Base

- Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/substance/preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- 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.

- Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:

Tightly sealed goggles

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:
  - Form: Liquid
  - Colour: White

- Odour: Characteristic

- Odour threshold: Not determined.

- pH-value at 20 °C: 8

- Change in condition

  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: 100 °C

- Flash point: Not applicable.

- Flammability (solid, gas): Not applicable.

- Ignition temperature:

  - Decomposition temperature: Not determined.

  - Auto-ignition temperature: Product is not selfigniting.

  - Explosive properties: Product does not present an explosion hazard.

- Explosion limits:

  - Lower: Not determined.
  - Upper: Not determined.

- Vapour pressure at 20 °C: 23 hPa

- Density at 20 °C: 1.721 g/cm³

- Relative density

- Vapour density

- Evaporation rate

Not determined.
TRADE NAME: Tefcote N4000HRX Base

- Solubility in / Miscibility with water: Fully miscible.
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity:
  - Dynamic at 20 °C: 300 mPas
  - Kinematic: Not determined.
- Solvent content:
  - Organic solvents: 1.1 %
  - Water: 25.4 %
- Solids content: 69.5 %
- 9.2 Other information
  - No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity
  - No further relevant information available.
- 10.2 Chemical stability
- 10.3 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.4 Conditions to avoid
  - No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:
  - No dangerous decomposition products when stored and handled correctly.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- 11.2 Acute toxicity
  - Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:
  - 7727-43-7 barium sulphate, natural
    - Oral LD50 >15000 mg/kg (Rat)
  - 79-09-4 propionic acid
    - Oral LD50 2600 mg/kg (Rat)
    - Dermal LD50 525 mg/kg (Rab)
    - Inhalative LC50/4 h >4.9 mg/l (Rat)
- Primary irritant effect:
- Skin corrosion/irritation
  - Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation
  - Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity
    - 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.
- 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:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    Must not reach sewage water or drainage ditch undiluted or unneutralised.
- 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.
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.
    - 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 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

(Contd. on page 7)
SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- **National regulations:**
  - Technical instructions (air):  
    | Class | Share in % |
    |-------|------------|
    | Wasser | 25.4       |
    | NK     | 1.1        |
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **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**
  - H226 Flammable liquid and vapour.
  - H314 Causes severe skin burns and eye damage.
  - H318 Causes serious eye damage.
  - H330 Fatal if inhaled.
  - H335 May cause respiratory irritation.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
- **Department issuing SDS:** Product safety department: LABORATORY
- **Contact:** Health & Safety Officer
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  -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)
- **LC50:** Lethal concentration, 50 percent
- **LD50:** Lethal dose, 50 percent
- **PBT:** Persistent, Bioaccumulative and Toxic
- **vPvB:** very Persistent and very Bioaccumulative
- **Flam. Liq. 3:** Flammable liquids – Category 3
- **Acute Tox. 2:** Acute toxicity – Category 2
- **Skin Corr. 1B:** Skin corrosion/irritation – Category 1B
- **Eye Dam. 1:** Serious eye damage/eye irritation – Category 1
- **STOT SE 3:** Specific target organ toxicity (single exposure) – Category 3
- **Aquatic Acute 1:** Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- **Aquatic Chronic 1:** Hazardous to the aquatic environment - long-term aquatic hazard – Category 1