

**SAFETY DATA SHEET**  
TRF2 HEAVY DUTY CLEANER

Page 1

Issued: 11-04-07

Revision No: 1

**Ribble Technology**  
**2 Brierley Street**  
**Ashton on Ribble**  
**Preston**  
**Lancashire**  
**PR2 2AU**  
**Tel: 01772 202227**  
**Fax: 01772 561239**

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** TRF2 HEAVY DUTY CLEANER

**Product code:** 01160

**Use / description of product:** Irritating liquid in concentrated form however product is very low hazard when diluted for use. The regulatory information is dependent upon the concentration limit of the specific substance.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Ingredient 1:** SODIUM HYDROXIDE <10%

CAS: 1310-73-2

EINECS: 215-185-5

[C] R35;

**Ingredient 2:** DISODIUM METASILICATE <10%

CAS: 6834-92-0

EINECS: 229-912-9

[C] R34; [Xi] R37;

**Ingredient 3:** MODIFIED POLY ALKOXYLATE <10%

CAS: 68603-25-8

[Xi] R41; [Xi] R38;

**Ingredient 4:** WATER >90%

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Irritating to eyes and skin.

**Other hazards:** Irritating in concentrated form although non hazardous when diluted for use.

**4. FIRST AID MEASURES (SYMPTOMS)**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

**Inhalation:** Nausea and stomach pain may occur. There may be vomiting. Drowsiness or mental confusion may occur. There may be loss of consciousness.

[cont...]

**SAFETY DATA SHEET**  
TRF2 HEAVY DUTY CLEANER**4. FIRST AID MEASURES (ACTION)**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

- Extinguishing media:** Carbon dioxide.
- Exposure hazards:** In combustion emits toxic fumes.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

- Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Respiratory protection:** protection must be used if air concentration exceeds acceptable levels. If ventilation is insufficient respiratory protection must be provided.
- Hand protection:** Protective gloves.
- Eye protection:** Safety goggles.
- Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**SAFETY DATA SHEET**  
TRF2 HEAVY DUTY CLEANER

**Colour:** Yellow-green  
**Odour:** Barely perceptible odour  
**Viscosity:** Non-viscous  
**Oxidising:** Non-oxidising (by EC criteria)  
**Evaporation rate:** Negligible  
**Solubility in water:** Miscible in all proportions  
**pH:** alkaline

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**11. TOXICOLOGICAL INFORMATION**

**Effects of exposure** The product is liquid based used at a considerably diluted state. No inhalation hazards likely to occur during normal use.

**Ingredient 1:** SODIUM HYDROXIDE  
IPR MUS LD50 40mg/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Non-volatile.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Disposal should be dealt with only by qualified personnel familiar with the specific substance.

**Disposal of packaging** May be reused following decontamination.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. TRANSPORT INFORMATION**

**ADR / RID**

**UN no:** 1760

**IMDG / IMO**

**IATA / ICAO**

**15. REGULATORY INFORMATION**

**Hazard symbols:** Irritant.



**Risk phrases:** R36/38: Irritating to eyes and skin.

**Safety phrases:** S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Note:** The regulatory information given above only indicates the principal regulations

**SAFETY DATA SHEET**  
TRF2 HEAVY DUTY CLEANER

specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. ADDITIONAL INFORMATION**

**Risk phrases used in s.2:** R35: Causes severe burns.

R34: Causes burns.

R37: Irritating to respiratory system.

R41: Risk of serious damage to eyes.

R38: Irritating to skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

