

## SAFETY DATA SHEET

# HEAVY DUTY DETERGENT

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: TFR

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

Use of substance/ mixture: Removal of Traffic film from concrete walls, footpaths and driveways.

#### 1.3. Details of the supplier of the safety data sheet

Company name: Main Verte

Aughnagallop

Drumshanbo

Co. Leitrim

N41 X576

Tel: +353 (0)71 9641673

Email: info@mainverte.com

#### 1.4. Emergency telephone number

Emergency tel +353(0)85 1110011 GMT Mon-Fri: 9:00-18:00 Sat: 10:00-16:00

Emergency contact as on the left or after hours: **National Poisons Centre**, Beaumont Hospital, Dublin 9, IRELAND (REPUBLIC OF) Tel: +353 1 809 2166 (public) +353 1 837 9964 (medical professionals)

### Section 2: Hazard identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion (Category 1A)

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2. Label elements****Labeling according Regulation (EC) No 1272/2008 [CLP]****Hazard pictograms:** GHS05: Corrosion**Signal word:** Danger**Hazard statement(s)**

H314 Causes severe skin burns and eye damage.

**Precautionary statement(s)**

P280 protective gloves/ protective clothing/ eye protection/ face protection.

P301+330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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 or doctor/ physician

**Section 3: composition/information on ingredients**

Hazardous ingredients	Conc.	CAS No.	EINECS NO.	Symbols/Risk phrases
Sodium Hydroxide	1-10%	1310-73-2	215-185-5	H315

For the full text of the H-Statements mentioned in this Section, see Section 16

**Section 4: First aid measures****4.1. Description of first aid measures**

**Skin contact:** Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Eye contact:** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Ingestion:** Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

**Inhalation:** Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

#### 4.3. Indication of any immediate medical attention and special treatment

Immediate/ special treatment:

### Section 5: fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Use as appropriate: carbon dioxide (CO<sub>2</sub>), dry chemical, foam.

#### 5.2. Special hazard arising from the substance or mixture

**Exposure hazards:** Corrosive. Burning produces irritating, toxic and obnoxious fumes.

#### 5.3. Advice for fire fighters

**Advice for fire fighters:** Wear suitable respiratory equipment when necessary.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**6.2. Environmental precautions**

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3. Methods and materials for containment and cleaning up**

**Clean-up procedure:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4. Reference to other sections**

**Reference to other sections:**

**Section 7: Handling and storage****7.1. Precautions for safe handling**

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2

**7.2. Conditions for safe storage, including any incompatibles**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**7.3. Specific end use(s):**

**Specific end use(s):** A part from the uses mentioned in section 1.2 no other specific uses are stipulated

**Section 8: Exposure control/ Personal protection****8.1. Control parameters**

**Workplace exposure limits:**

Component	CAS-N0.	Value	Control parameters	Basis
Sodium hydroxide	1310-73-2	OELV – 15 min (STEL)	2 mg/m <sup>3</sup>	Ireland. List of Chemical Agents and Occupational Exposure Limit Values - Schedule 1

**8.2. Exposure controls**

**Engineering measures:** Handle in accordance with good hygiene and safety practice. Wash hands before breaks and at the end of workday

**Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it

**Eye protection:** Tight fitting goggles with side shields, or wide vision goggles. Do not wear contact lenses when handling this product. Individual pocket eyewash advisable.

**Protective equipment:** Protective overalls and safety shoes/boots.

**Section 9: Physical and chemical properties**

**State:** Liquid

**Colour:** Clear

**Odour:** Odourless

**Solubility in water:** soluble in water

**Viscosity:** -

**Relative density:** 1.32

**Boiling point/range °C:** -

**Melting point/ range °C:** -

**VOC g/l:** -

**pH:** 12-13

**Section 10: Stability and reactivity****10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage condition

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions

**10.3. Possibility of hazardous reactions:**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

Heat

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidizing agents, Strong acids, Organic materials

**10.6. Hazardous decomposition products**

**Haz. Decomp. Products:** In combustion emits toxic fumes.

**Section 11: Toxicological information****11.1. Information on Toxicological effect**

**Toxicity values:** No data available

**Skin corrosion/irritation**

Substance	Effect	Route	Basis
Sodium Hydroxide	Causes severe burns.	Skin	Hazardous: Calculated Rabbit 24 h
Sodium Hydroxide	Corrosive	Eye	Hazardous: Calculated Rabbit 24 h

**Symptoms/ routes of exposure**

**Skin contact:** Causes severe skin burns. Progressive ulceration will occur if treatment is not immediate

**Eye contact:** Causes serious eye damage. May cause severe damage with formation of corneal ulcers and permanent impairment of vision

**Ingestion:** Will immediately cause corrosion of and damage to the gastrointestinal tract. Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose. Lethal dose for man is approximately 5g.

**Inhalation:** Mist is a severe irritant to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to severe lung irritation. There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Eco-toxicity values:**

Substance	Species	Test	Value	Units
Sodium Hydroxide	<i>Gambusia affinis</i> (Mosquito fish)	96H LC50	125	mg/L
Sodium Hydroxide	<i>Daphnia magna</i> (water flea)	48H LC50	40.38	mg/L

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available

### 12.3. Bio-accumulative potential

**Bio-accumulative potential:** No data available

### 12.4. Mobility in soil

**Mobility:** No data available

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible eco-toxicity.

**Section 13: Disposal considerations**

**Disposal of packaging:** Dispose of in compliance with all local and national regulations

**Section 14: Transport information**

**Transport Labelling:**

**14.1 UN number**

ADR/RID: 1824

IMDG: 1824

IATA: 1824

**14.2 UN proper shipping name**

ADR/RID: SODIUM HYDROXIDE SOLUTION

IMDG: SODIUM HYDROXIDE SOLUTION

IATA: Sodium hydroxide solution

**14.3 Transport hazard class(es)**

ADR/RID: 8

IMDG: 8

IATA: 8

**14.4 Packaging group**

ADR/RID: II

IMDG: II

IATA: II

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

No data available

**Section 15: Regulatory Information****15.1. Safety, health and environment regulations/ legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2. Chemical Safety Assessment**



**Chemical Safety assessment:** For this product a chemical safety assessment was not carried out

### Section 16: Other information

**Full text of H-Statements referred to under sections 2 and 3.**

Skin corrosion (Category 1A)

H314:

Causes severe skin burns and eye damage

**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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.