SAFETY DATA SHEET

HIGH FOAM VEHICLE WASH

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 cars and light commercial vehicles.

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

E**mail:** 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 N0.	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: **I**nhalation 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_2), 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^3	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	*Gambusia affinis* (Mosquito fish)	96H LC50	125	mg/L
Sodium Hydroxide	*Daphnia magna* (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.