



## SAFETY DATA SHEET

### Heavy Duty TFR

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

##### 1.1. Product identifier

|                             |   |
|-----------------------------|---|
| Product name                | Heavy Duty TFR  |
| Product number              | M0111RZD  |
| Superconcentrated Detergent | Powerful Traffic Film Remover for Heavy Duty Applications |

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

|                 |            |
|-----------------|------------|
| Identified uses | Detergent. |
|-----------------|------------|

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

|          |   |
|----------|---|
| Supplier | Rozone<br>Queen Street<br>Darlaston<br>Wednesbury<br>West Midlands<br>UK<br>WS10 8JF<br>Tel: +44 (0)121 526 8181<br>Fax: +44 (0)121 526 8182<br>info@rozone.co.uk |
|----------|---|

##### 1.4. Emergency telephone number

|                     |  |
|---------------------|--|
| Emergency telephone | Rozone: 0121 526 8181 (Mon - Fri, 09:00-17:00) |
|---------------------|--|

#### SECTION 2: Hazards identification

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

|                               |  |
|-------------------------------|--|
| Classification (EC 1272/2008) |  |
| Physical hazards              | Not Classified                           |
| Health hazards                | Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 |
| Environmental hazards         | Not Classified                           |

##### 2.2. Label elements

Hazard pictograms



|                   |   |
|-------------------|---|
| Signal word       | Warning   |
| Hazard statements | H315 Causes skin irritation.<br>H319 Causes serious eye irritation. |

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|  |   |
|--|---|
| Precautionary statements               | P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br>P302+P352 IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P321 Specific treatment (see medical advice on this label).<br>P332+P313 If skin irritation occurs: Get medical advice/ attention.<br>P337+P313 If eye irritation persists: Get medical advice/ attention. |
| Detergent labelling                    | < 5% amphoteric surfactants, < 5% anionic surfactants, < 5% non-ionic surfactants   |
| Supplementary precautionary statements | P264 Wash contaminated skin thoroughly after handling.<br>P362+P364 Take off contaminated clothing and wash it before reuse.  |

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|   |                      |
|---|----------------------|
| C9-11 Alcohol Ethoxylate                                    | 1-5%                 |
| CAS number: 68439-46-3                                      | EC number: 614-482-0 |
| Classification<br>Acute Tox. 4 - H302<br>Eye Dam. 1 - H318  |                      |
| SODIUM HYDROXIDE  | <1%                  |
| CAS number: 1310-73-2                                       | EC number: 215-185-5 |
| Classification<br>Skin Corr. 1A - H314<br>Eye Dam. 1 - H318 |                      |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |  |
|--------------|--|
| Inhalation   | No specific recommendations.   |
| Ingestion    | Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.  |
| Skin contact | Wash skin thoroughly with soap and water.  |
| Eye contact  | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

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

|              |  |
|--------------|--|
| Inhalation   | No specific symptoms known.                              |
| Ingestion    | No specific symptoms known.                              |
| Skin contact | Prolonged skin contact may cause redness and irritation. |
| Eye contact  | Causes serious eye irritation.                           |

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

|                      |   |
|----------------------|---|
| Notes for the doctor | No specific recommendations. If in doubt, get medical attention promptly. |
|----------------------|---|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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Suitable extinguishing media      The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

Specific hazards      Not known. N/A

Hazardous combustion products      None at ambient temperatures. When heated, vapours/gases hazardous to health may be formed.

### 5.3. Advice for firefighters

Protective actions during firefighting      No specific firefighting precautions known.

Special protective equipment for firefighters      Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

Personal precautions      Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Environmental precautions      Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up      Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

### 6.4. Reference to other sections

Reference to other sections      For waste disposal, see section 13. See Section 11 for additional information on health hazards.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions      Avoid spilling. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions      Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Protect from freezing and direct sunlight.

### 7.3. Specific end use(s)

Specific end use(s)      The identified uses for this product are detailed in Section 1.2.

#### Usage description

1. Rozone Heavy Duty TFR should be diluted 4:1 prior to dosing into your pressure washer. Diluted product can be used hot or cold in the normal way via a pressure washer. For best results use hot.
2. Apply the solution to the surface of the vehicle at low or high, pressure working from the bottom of the vehicle upward to avoid cleaning-streaks over dry areas of the vehicle.
3. In hot weather cool paintwork with water before applying chemical. Do not allow the chemical to dry on the surface.
4. Rinse with a bucket, hose or pressure washer from the top of the vehicle rinsing downwards evenly and methodically.

#### Pre-Dilution

Pre-diluted 4:1 to give a TFR that can be used as outlined below:

Light Soiling:    1% (100:1)

Medium Soiling    2% (50:1)

Heavy Soiling    3% (30:1)

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

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WEL = Workplace Exposure Limit

### 1-HYDROXYETHANE-1,1-DIPHOSPHONIC ACID (CAS: 2809-21-4)

|      |   |
|------|---|
| DNEL | Workers - Oral; Long term systemic effects: 13 mg/kg/day<br>General population - Oral; Long term local effects: 6.5 mg/kg   |
| PNEC | - Fresh water; 0.136 mg/l<br>- marine water; 0.014 mg/l<br>- Sediment (Freshwater); 59 mg/kg<br>- Sediment (Marinewater); 5.9 mg/kg<br>- Soil; 96 mg/kg<br>- STP; 20 mg/l |

### 8.2. Exposure controls

Protective equipment



|                        |   |
|------------------------|---|
| Eye/face protection    | Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. |
| Hand protection        | Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.   |
| Hygiene measures       | Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product.   |
| Respiratory protection | No specific recommendations.  |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                  |   |
|------------------|---|
| Appearance       | Clear liquid.                           |
| Colour           | Amber.                                  |
| Odour            | Bland                                   |
| pH               | pH (concentrated solution): 12.3 - 13.5 |
| Relative density | 1.021 - 1.023 @ 20°C                    |

### 9.2. Other information

|                   |       |
|-------------------|-------|
| Other information | None. |
|-------------------|-------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |  |
|------------|--|
| Reactivity | The reactivity data for this product will be typical of those for the following class of materials: Alkalis. |
|------------|--|

### 10.2. Chemical stability

|           |  |
|-----------|--|
| Stability | Stable at normal ambient temperatures. |
|-----------|--|

### 10.3. Possibility of hazardous reactions

|                                    |  |
|------------------------------------|--|
| Possibility of hazardous reactions | The following materials may react with the product: Acids. |
|------------------------------------|--|

### 10.4. Conditions to avoid

|                     |   |
|---------------------|---|
| Conditions to avoid | Avoid excessive heat for prolonged periods of time. |
|---------------------|---|

### 10.5. Incompatible materials

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Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 93,333.33

Skin corrosion/irritation

Skin corrosion/irritation Prolonged skin contact may cause redness and irritation

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

## SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

### 12.1. Toxicity

Toxicity Not considered toxic to fish.

### 12.2. Persistence and degradability

Persistence and degradability This product complies with the biodegradability criteria laid down in (EC) No. 648/2004 on detergents.

Biodegradation

The substance is readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

Other adverse effects No information required.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

General information When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

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Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code      Not applicable.

## SECTION 15: Regulatory information

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

|                      |   |
|----------------------|---|
| National regulations | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 as amended.<br>The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 as amended<br>Control of Substances Hazardous to Health Regulations 2002 (as amended).<br>EH40/2005 Workplace exposure limits. |
|----------------------|---|

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

|                           |   |
|---------------------------|---|
| Revision date             | 21/07/2021  |
| Revision                  | 8   |
| Supersedes date           | 17/05/2017  |
| Hazard statements in full | H302 Harmful if swallowed.<br>H314 Causes severe skin burns and eye damage.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H319 Causes serious eye irritation. |

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.