



## SAFETY DATA SHEET

### TFR Xtra

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

**Product name** TFR Xtra  
**Product number** 270-3

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

**Identified uses** Car maintenance product. - Cleaning agent.  
**Uses advised against** For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

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

**Supplier** Autosmart International Ltd  
 Lynn Lane,  
 Shenstone, nr Lichfield  
 Staffordshire. WS14 0DH  
 England  
 www.autosmartinternational.com  
 Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
 Fax: +44 (0) 1543 481549 (09:00 - 17:00)  
 info@autosmartinternational.com

**Contact person** Mr. Russell Butler

##### 1.4. Emergency telephone number

**Emergency telephone** Mob: +44 (0) 7808 971321 (24hrs)  
 Tel: +44 (0) 1543 481616 (09:00 - 17:00)  
 Fax: +44 (0) 1543 481549 (09:00 - 17:00)

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

#### SECTION 2: Hazards identification

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

###### Classification

**Physical hazards** Met. Corr. 1 - H290  
**Health hazards** Skin Corr. 1B - H314 Eye Dam. 1 - H318  
**Environmental hazards** Not Classified

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**Classification (67/548/EEC or 1999/45/EC)** C;R34.

**Environmental** Environmental hazard.

### 2.2. Label elements

#### Pictogram



**Signal word** Danger

**Hazard statements** H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

**Precautionary statements** P260 Do not breathe vapour/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264 Wash contaminated skin thoroughly after handling.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P362+P364 Take off contaminated clothing and wash it before reuse.

**Contains** SODIUM HYDROXIDE, Alcohols, C12-13 - branched and linear, ethoxylated (>5 - 10 EO)

**Detergent labelling** < 5% non-ionic surfactants, < 5% non-ionic surfactants, < 5% NTA (nitrilotriacetic acid) and salts thereof, < 5% amphoteric surfactants

**Supplementary precautionary statements** P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P363 Wash contaminated clothing before reuse.  
P390 Absorb spillage to prevent material damage.  
P501 Dispose of contents/container in accordance with national regulations.

### 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

<b>SODIUM HYDROXIDE</b>	<b>2-5%</b>
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-xxxx
Substance with a Community workplace exposure limit.	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Met. Corr. 1 - H290	C;R35
Skin Corr. 1A - H314	
Eye Dam. 1 - H318	

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<b>Trisodium Nitrotriacetate</b> <span style="float: right;"><b>1-2%</b></span>				
CAS number: 5064-31-3	EC number: 225-768-6	REACH registration number: 01-2119519239-36-xxxx		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>Classification</b> Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351</td> <td style="width: 50%; border: none;"><b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R22 Xi;R36</td> </tr> </table>			<b>Classification</b> Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R22 Xi;R36
<b>Classification</b> Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351	<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R22 Xi;R36			
<b>Alcohols, C12-13 - branched and linear, ethoxylated (&gt;5 - 10 EO)</b> <span style="float: right;"><b>1-2%</b></span>				
CAS number: 160901-19-9	EC number: 931-954-4	REACH registration number: N/A (Polymer)		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412</td> <td style="width: 50%; border: none;"><b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.</td> </tr> </table>			<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.			
<b>2-BUTOXYETHANOL</b> <span style="float: right;"><b>0.2-0.5%</b></span>				
CAS number: 111-76-2	EC number: 203-905-0	REACH registration number: 01-2119475108-36-xxxx		
Substance with a Community workplace exposure limit.				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319</td> <td style="width: 50%; border: none;"><b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38</td> </tr> </table>			<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38			

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

<b>General information</b>	CAUTION! First aid personnel must be aware of own risk during rescue!
<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Do not induce vomiting.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

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**Eye contact** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. May cause permanent damage if eye is not immediately irrigated. 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**

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** This is unlikely to occur but symptoms similar to those of ingestion may develop.

**Ingestion** May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

**Skin contact** Chemical burns.

**Eye contact** Severe irritation, burning and tearing. May cause blurred vision and serious eye damage.

### **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**

**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** The product is non-combustible. Toxic and corrosive gases or vapours. No unusual fire or explosion hazards noted.

**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Severe corrosive hazard. Wear chemical protective suit. 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** For personal protection, see Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

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### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Follow instructions and ensure correct dilution of this product before use.

### 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 above the chemical's freezing point to avoid rupturing the container. Keep only in the original container. Keep away from food, drink and animal feeding stuffs. Store in closed original container at temperatures between 5°C and 30°C.

**Storage class** Corrosive storage.

### 7.3. Specific end use(s)

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

## 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>

#### 2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

<b>DNEL</b>	Consumer - Inhalation; Short term : 1 mg/m <sup>3</sup> Industry - Inhalation; Short term : 1 mg/m <sup>3</sup> Industry - Inhalation; Long term : 1 mg/m <sup>3</sup>
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#### Trisodium Nitilotriacetate (CAS: 5064-31-3)

<b>Ingredient comments</b>	No exposure limits known for ingredient(s).
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<b>DNEL</b>	Industry - Inhalation; Short term : 5.25 mg/m <sup>3</sup> Industry - Inhalation; Long term : 3.5 mg/m <sup>3</sup> Consumer - Inhalation; Short term : 1.75 mg/m <sup>3</sup> Consumer - Inhalation; Long term : 0.5 mg/kg/day
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<b>PNEC</b>	- Fresh water; 0.93 mg/l
	- Marine water; 0.093 mg/l
	- STP; 540 mg/l
	- Sediment; 3.64 mg/kg
	- Soil; 0.182 mg/kg

### Alcohols, C12-13 - branched and linear, ethoxylated (>5 - 10 EO) (CAS: 160901-19-9)

<b>Ingredient comments</b>	No exposure limits known for ingredient(s).
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### C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)

<b>Ingredient comments</b>	No exposure limits known for ingredient(s).
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### 2-BUTOXYETHANOL (CAS: 111-76-2)

<b>Ingredient comments</b>	Due to the hazardous nature of ingredients, exposure should be minimal.
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<b>DNEL</b>	Industry - Dermal; Short term : 89 mg/kg/day
	Industry - Inhalation; Short term : 246 mg/m <sup>3</sup>
	Industry - Dermal; Long term : 75 mg/kg/day
	Industry - Inhalation; Long term : 98 mg/m <sup>3</sup>
	Consumer - Dermal; Short term : 44.5 mg/kg/day
	Consumer - Inhalation; Short term : 123 mg/m <sup>3</sup>
	Consumer - Oral; Short term : 13.4 mg/kg/day
	Consumer - Dermal; Long term : 38 mg/kg/day Consumer - Inhalation; Long term : 49 mg/m <sup>3</sup>

<b>PNEC</b>	- Fresh water; 8.8 mg/l
	- Marine water; 0.88 mg/l
	- Sediment (Freshwater); 8.14 mg/kg
	- Soil; 2.8 mg/kg
	- STP; 463 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

### 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 and face shield.

### Hand protection

Use protective gloves. Wear protective gloves made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Use thin cotton gloves inside the rubber gloves if allergy risk.

### Other skin and body protection

Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

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<b>Hygiene measures</b>	Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.
<b>Environmental exposure controls</b>	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Red.
<b>Odour</b>	Mild. Characteristic.
<b>Odour threshold</b>	Not available. Not available.
<b>pH</b>	pH (concentrated solution): ~13.1 pH (diluted solution): ~ 12.0 @ 1%
<b>Melting point</b>	~ 0°C
<b>Initial boiling point and range</b>	~ 107°C @ °C @ 760 mm Hg
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable. : : Not applicable.
<b>Vapour pressure</b>	~ 0.3 kPa @ °C
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	~ 1.054 @ (@ 20°C)°C
<b>Solubility(ies)</b>	Soluble in water. Miscible with water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	~ 1.0 cSt @ 20°C
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

#### 9.2. Other information

<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/litre.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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**Reactivity** The following materials may react strongly with the product: Strong acids. Strong alkalis. Organic compounds. Some metals. Reactions with the following materials may generate heat: Water. In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. The substance is hygroscopic and will absorb water by contact with the moisture in the air.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable. Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Reactions with the following materials may generate heat: Strong acids. Avoid heat.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 15,151.51515152

#### Skin corrosion/irritation

**Human skin model test** Scientifically unjustified.

#### **Extreme pH**

≥ 11.5 Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve. The classification is based on the criteria for extreme pH values, under Regulation (EC) 1272/2008, Annex I, section 3.2.3.1.2. Corrosive.

#### **General information**

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

#### **Inhalation**

No significant hazard at normal ambient temperatures. Heating may generate the following products: Corrosive gases or vapours.

#### **Ingestion**

Causes burns.

#### **Skin contact**

Causes burns.

#### **Eye contact**

Causes burns.

#### **Acute and chronic health hazards**

This product is corrosive. This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns.

#### **Route of entry**

Ingestion. Skin absorption

#### **Target organs**

No specific target organs known.

#### **Medical symptoms**

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.



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### Toxicological information on ingredients.

#### Trisodium Nitriacetate

**Toxicological effects** Nitriacetetic acid, trisodium salt (NTA) has caused kidney tumours in rats and mice when administered orally in high concentrations. The tumours are based on organ damage that can only occur when extremely high threshold limit concentrations, as compared with possible human exposure, are exceeded. In view of the potential degree of exposure, there should be no cancer risk to humans.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 500.0

#### Carcinogenicity

**Carcinogenicity** Limited evidence of a carcinogenic effect.

### SECTION 12: Ecological Information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. The product is not expected to be hazardous to wastewater treatment processes. The product does not contain organically bound halogen. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

#### 12.1. Toxicity

**Acute toxicity - fish** Not determined.

**Acute toxicity - aquatic invertebrates** Not determined.

**Acute toxicity - aquatic plants** Not determined.

**Acute toxicity - microorganisms** Not determined.

**Acute toxicity - terrestrial** Not determined.

### Ecological information on ingredients.

#### Trisodium Nitriacetate

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 114-470 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 560-1,000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: 180-320 mg/l, Algae

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable but it must not be discharged into drains without permission from the authorities.

### Ecological information on ingredients.

#### Trisodium Nitriacetate

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**Persistence and degradability**                      The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**                      The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient**                              Not available.

### Ecological information on ingredients.

#### Trisodium Nitrotriacetate

**Bioaccumulative potential**                      The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

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

### Ecological information on ingredients.

#### Trisodium Nitrotriacetate

**Mobility**    The product is soluble in water.

### 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.

### Ecological information on ingredients.

#### Trisodium Nitrotriacetate

**Results of PBT and vPvB assessment**                      This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

**Other adverse effects**                              None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**                              The packaging must be empty (drop-free when inverted).

**Disposal methods**                                      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Reuse or recycle products wherever possible.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)**                                      1824

**UN No. (IMDG)**                                        1824

**UN No. (ICAO)**                                        1824

### 14.2. UN proper shipping name

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**Proper shipping name (ADR/RID)** SODIUM HYDROXIDE SOLUTION

**Proper shipping name (IMDG)** SODIUM HYDROXIDE SOLUTION

**Proper shipping name (ICAO)** SODIUM HYDROXIDE SOLUTION

**Proper shipping name (ADN)** SODIUM HYDROXIDE SOLUTION

### 14.3. Transport hazard class(es)

**ADR/RID class** 8

**ADR/RID label** 8

**IMDG class** 8

**ICAO class/division** 8

### Transport labels



### 14.4. Packing group

**ADR/RID packing group** II

**IMDG packing group** II

**ICAO packing group** II

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

**IMDG Code segregation group** 18. Alkalis

**EmS** F-A, S-B

**Emergency Action Code** 2W

**Hazard Identification Number (ADR/RID)** 80

**Tunnel restriction code** (E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 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** Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

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**EU legislation** Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Water hazard classification** WGK 1

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**General information** Only trained personnel should use this material. This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Issued by** Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain.  
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rbutler@autosmart.co.uk  
Tel +44 (0)1543 481616

**Revision date** 05/11/2014

**Revision** 3

**Supersedes date** 19/11/2013

**SDS status** Approved.

**Risk phrases in full** R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R22 Harmful if swallowed.  
R34 Causes burns.  
R35 Causes severe burns.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R40 Limited evidence of a carcinogenic effect.  
R41 Risk of serious damage to eyes.

**Hazard statements in full** H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H351 Suspected of causing cancer if swallowed.  
H412 Harmful to aquatic life with long lasting effects.

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.