



SAFETY DATA SHEET

Safe-T-Strip

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 Safe-T-Strip
Product number 373-20

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

Identified uses Car maintenance product. - De-waxer.
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 Not Classified
Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317
Environmental hazards Not Classified

Safe-T-Strip

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

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

Precautionary statements

P260 Do not breathe vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains

Amines, coco alkyl, ethoxylated, 2-AMINOETHANOL, SODIUM HYDROXIDE, C9-C11 Alcohol ethoxylate (6), Alcohols, C9-11, Ethoxylated 2.5 EO, methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

Detergent labelling

5 - < 15% non-ionic surfactants, < 5% cationic surfactants, < 5% NTA (nitrilotriacetic acid) and salts thereof

Supplementary precautionary statements

P272 Contaminated work clothing should not be allowed out of the workplace.
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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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

2-BUTOXYETHANOL

5-10%

CAS number: 111-76-2

EC number: 203-905-0

REACH registration number: 01-2119475108-36-xxxx

Substance with a Community workplace exposure limit.

Classification

Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

Classification (67/548/EEC or 1999/45/EC)

Xn;R20/21/22 Xi;R36/38

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| | | |
|---|--|--|
| Trisodium Nitrilotriacetate 2-5% | | |
| CAS number: 5064-31-3 | EC number: 225-768-6 | REACH registration number: 01-2119519239-36-xxxx |
| Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351 | Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 Xn;R22 Xi;R36 | |
| Amines, coco alkyl, ethoxylated 2-5% | | |
| CAS number: 61791-14-8 | | |
| Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 | Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. | |
| 2-AMINOETHANOL 2-5% | | |
| CAS number: 141-43-5 | EC number: 205-483-3 | REACH registration number: 01-2119486455-28-xxxx |
| Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 | Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R20/21/22 | |
| SODIUM HYDROXIDE 2-5% | | |
| CAS number: 1310-73-2 | EC number: 215-185-5 | REACH registration number: 01-2119457892-27-xxxx |
| Substance with a Community workplace exposure limit. | | |
| Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318 | Classification (67/548/EEC or 1999/45/EC) C;R35 | |
| C9-C11 Alcohol ethoxylate (6) 2-5% | | |
| CAS number: 68439-46-3 | REACH registration number: Polymer | |
| Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 | Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. | |

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| | | |
|--|--|--|
| Alcohols, C9-11, Ethoxylated 2.5 EO | | 1-2% |
| CAS number: 160901-09-7 | | EC number: 500-446-0 |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Eye Dam. 1 - H318 | Xi;R41. | |
| methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate | | 0.7-1.0% |
| CAS number: 10595-49-0 | | EC number: 234-204-8 |
| | | REACH registration number: 01-2119976277-23-XXXX |
| M factor (Acute) = 10 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Acute Tox. 4 - H302 | Xn;R22. Xi;R36. R43. | |
| Eye Irrit. 2 - H319 | | |
| Skin Sens. 1A - H317 | | |
| Aquatic Acute 1 - H400 | | |
| Aquatic Chronic 2 - H411 | | |
| Amines, C12-14 - alkydimethyl, N-oxides. | | 0.1-0.2% |
| CAS number: 308062-28-4 | | EC number: 931-292-6 |
| | | REACH registration number: 01-2119490061-47-xxxx |
| M factor (Acute) = 1 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Acute Tox. 4 - H302 | Xn;R22. Xi;R38,R41. N;R50. | |
| Skin Irrit. 2 - H315 | | |
| Eye Dam. 1 - H318 | | |
| Aquatic Acute 1 - H400 | | |
| Aquatic Chronic 2 - H411 | | |

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 | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| Ingestion | Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention. |
| Skin contact | Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. |
| Eye contact | Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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. |
|----------------------------|---|

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| | |
|---------------------|--|
| Inhalation | Coughing, chest tightness, feeling of chest pressure. |
| Ingestion | May cause discomfort if swallowed. May cause stomach pain or vomiting. |
| Skin contact | Burning pain and severe corrosive skin damage. Prolonged contact may cause redness, irritation and dry skin. |
| Eye contact | May cause blurred vision and serious eye damage. Severe irritation, burning and tearing. |

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. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acid smoke or fumes. Oxides of the following substances: Carbon. Nitrogen. 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 Wear chemical protective suit.

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. Dike far ahead of larger spills for later disposal. 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. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid spilling. Avoid contact with skin and eyes. Good personal hygiene procedures should be implemented.

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. Keep above the chemical's freezing point to avoid rupturing the container.

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

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

2-AMINOETHANOL

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m³

Sk

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

2-BUTOXYETHANOL (CAS: 111-76-2)

Ingredient comments Due to the hazardous nature of ingredients, exposure should be minimal.

DNEL

Industry - Dermal; Short term : 89 mg/kg/day

Industry - Inhalation; Short term : 246 mg/m³

Industry - Dermal; Long term : 75 mg/kg/day

Industry - Inhalation; Long term : 98 mg/m³

Consumer - Dermal; Short term : 44.5 mg/kg/day

Consumer - Inhalation; Short term : 123 mg/m³

Consumer - Oral; Short term : 13.4 mg/kg/day

Consumer - Dermal; Long term : 38 mg/kg/day

Consumer - Inhalation; Long term : 49 mg/m³

PNEC

- 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

Trisodium Nitrilotriacetate (CAS: 5064-31-3)

Ingredient comments No exposure limits known for ingredient(s).

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DNEL Industry - Inhalation; Short term : 5.25 mg/m³
 Industry - Inhalation; Long term : 3.5 mg/m³
 Consumer - Inhalation; Short term : 1.75 mg/m³
 Consumer - Inhalation; Long term : 0.5 mg/kg/day

PNEC - 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

Amines, coco alkyl, ethoxylated (CAS: 61791-14-8)

Ingredient comments No exposure limits known for ingredient(s).

2-AMINOETHANOL (CAS: 141-43-5)

DNEL Industry - Dermal; Long term systemic effects: 1 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 3.3 mg/kg/day
 Industry - Inhalation; Long term local effects: 3.3 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 0.24 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 2 mg/kg/day
 Consumer - Inhalation; Long term local effects: 2 mg/kg/day
 Consumer - Oral; Long term systemic effects: 3.75 mg/kg/day

PNEC - Fresh water; 0.085 mg/l
 - Marine water; 0.0085 mg/l
 - Intermittent release; 0.025 mg/l
 - Sediment (Freshwater); 0.425 mg/kg
 - Sediment (Marinewater); 0.0425 mg/kg
 - Soil; 0.035 mg/kg
 - STP; 100 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Consumer - Inhalation; Short term : 1 mg/m³
 Industry - Inhalation; Short term : 1 mg/m³
 Industry - Inhalation; Long term : 1 mg/m³

C9-C11 Alcohol ethoxylate (6) (CAS: 68439-46-3)

Ingredient comments No exposure limits known for ingredient(s).

Alcohols, C9-11, Ethoxylated 2.5 EO (CAS: 160901-09-7)

Ingredient comments No exposure limits known for ingredient(s).

methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate (CAS: 10595-49-0)

Ingredient comments No exposure limits known for ingredient(s).

Amines, C12-14 - alkydimethyl, N-oxides. (CAS: 308062-28-4)

Ingredient comments No exposure limits known for ingredient(s).

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| | |
|-------------|---|
| DNEL | <p>Workers - Dermal; Long term systemic effects: 11 mg/kg/day</p> <p>Workers - Inhalation; Long term systemic effects: 15.5 mg/m³</p> <p>Workers - Dermal; Long term local effects: 0.27 %</p> <p>General population - Dermal; Long term systemic effects: 5.5 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 3.8 mg/m³</p> <p>General population - Oral; Long term systemic effects: 0.44 mg/kg/day</p> |
| PNEC | <p>- Fresh water; 0.0335 mg/l</p> <p>- Marine water; 0.00335 mg/l</p> <p>- Intermittent release; 0.0335 mg/l</p> <p>- Sediment (Freshwater); 5.24 mg/kg</p> <p>- Sediment (Marinewater); 0.524 mg/kg</p> <p>- Soil; 1.02 mg/kg</p> <p>- STP; 24 mg/kg</p> |

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

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.

Hand protection

Wear protective gloves made of the following material: Rubber (natural, latex). Polyvinyl chloride (PVC). 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.

Other skin and body protection

Provide eyewash station.

Hygiene measures

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. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Particulate filter, type P2.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------|---|
| Appearance | Liquid. |
| Colour | Clear liquid. Straw. Amber. |
| Odour | Slight. Solvent. |
| Odour threshold | Not available. |
| pH | pH (concentrated solution): ~ 13.0 pH (diluted solution): ~ 11.0 @ 1% |
| Melting point | ~ 0°C |

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| | |
|---|--|
| Initial boiling point and range | ~ 100 @°C @ 760 mm Hg |
| Flash point | Not applicable. |
| Evaporation rate | Not available. |
| Upper/lower flammability or explosive limits | Not applicable. |
| Vapour pressure | Not applicable. |
| Vapour density | Not applicable. |
| Relative density | ~ 1.058 @ 20°C |
| Solubility(ies) | Soluble in water. Miscible with water. |
| Partition coefficient | : < 0 |
| Auto-ignition temperature | Not applicable. |
| Decomposition Temperature | Not available. |
| Viscosity | ~ 1 cSt @ °C |
| Oxidising properties | Does not meet the criteria for classification as oxidising. |
| Comments | 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

Volatile organic compound This product contains a maximum VOC content of 59 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Reactions with the following materials may generate heat: Strong acids.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products No specific hazardous decomposition products noted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 2,922.17571717

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Acute toxicity - dermal

ATE dermal (mg/kg) 11,771.00053505

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 194.82819695

ATE inhalation (dusts/mists mg/l) 40,200.05406867

Skin corrosion/irritation

Human skin model test Scientifically unjustified.

Extreme pH ≥ 11.5 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 May cause respiratory system irritation.

Ingestion Swallowing concentrated chemical may cause severe internal injury. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact Corrosive. Prolonged contact causes serious tissue damage. The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.

Route of entry Ingestion. Skin and/or eye contact

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

Medical considerations Skin disorders and allergies.

Toxicological information on ingredients.

Trisodium Nitriacetate

Toxicological effects Nitriacetate 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.

methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

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

Skin sensitisation

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Skin sensitisation Sensitising.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic 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 Nitilotriacetate

Acute toxicity - fish LC₅₀, 96 hours: 114-470 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 560-1,000 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 180-320 mg/l, Algae

methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

Acute aquatic toxicity

LE(C)₅₀ 0.01 < L(E)C₅₀ ≤ 0.1

M factor (Acute) 10

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer. The product is biodegradable but it must not be discharged into drains without permission from the authorities.

Ecological information on ingredients.

Trisodium Nitilotriacetate

Persistence and degradability The product is biodegradable.

methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

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Persistence and degradability The product is readily biodegradable.

12.3. Bioaccumulative potential

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

Partition coefficient : < 0

Ecological information on ingredients.

Trisodium Nitritotriacetate

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

methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

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

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

Trisodium Nitritotriacetate

Mobility The product is soluble in water.

methyl trimethyl-3-[(1-oxododecyl)amino]propylammonium sulphate

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 Nitritotriacetate

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 Not applicable.

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.

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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

| | |
|--------------------------------|---------------------------|
| 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 subsidiary risk | |
| ADR/RID label | 8 |
| IMDG class | 8 |
| IMDG subsidiary risk | |
| ICAO class/division | 8 |
| ICAO subsidiary risk | |

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 |

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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

EU legislation 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 2

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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Revision date 07/11/2014

Revision 13

Supersedes date 08/05/2013

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.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms.

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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.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H411 Toxic 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.