



SAFETY DATA SHEET

Envirowash

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 Envirowash

Product number 230-2

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

Identified uses Cleaning agent. - Traffic Film Remover

Uses advised against 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 Eye Dam. 1 - H318

Environmental hazards Not Classified

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Classification (67/548/EEC or 1999/45/EC) Xi;R36.

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains

C9-C11 Alcohol ethoxylate (6), 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Detergent labelling

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

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-C11 Alcohol ethoxylate (6)		5-10%
CAS number: 68439-46-3	REACH registration number: Polymer	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22. Xi;R41.	
Eye Dam. 1 - H318		
Trisodium Nitrilotriacetate		2-5%
CAS number: 5064-31-3	EC number: 225-768-6	REACH registration number: 01-2119519239-36-xxxx
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Carc. Cat. 3;R40 Xn;R22 Xi;R36	
Eye Irrit. 2 - H319		
Carc. 2 - H351		

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts		2-5%
CAS number: 0000000-00-0	EC number: 931-296-8	REACH registration number: 01-2119488533-30-XXXX
Classification Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		Classification (67/548/EEC or 1999/45/EC) Xi;R36.
Nitilotriacetic acid		0.1-0.2%
CAS number: 139-13-9	EC number: 205-355-7	
Classification Eye Irrit. 2 - H319 Carc. 2 - H351		Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40. Xi;R36/37/38.

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

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 if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Rinse immediately with plenty of water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.
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.
Inhalation	No specific symptoms known.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Irritation of eyes and mucous membranes.

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.
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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

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Specific hazards	The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acrid 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	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

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

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 Chemical 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

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

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

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

Trisodium Nitilotriacetate (CAS: 5064-31-3)

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

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

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (CAS: 0000000-00-0)

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

DNEL Professional - Dermal; systemic effects: 12.5 mg/kg/day
Professional - Inhalation; systemic effects: 44 mg/m³
Consumer - Dermal; systemic effects: 7.5 mg/kg/day
Consumer - Oral; systemic effects: 7.5 mg/kg/day

PNEC - Fresh water; 0.0135 mg/l
- Marine water; 0.00135 mg/l
- Sediment (Freshwater); 1 mg/kg
- Sediment (Marinewater); 0.1 mg/kg
- Soil; 0.8 mg/kg
- STP; 3000 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.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). It is recommended that gloves are made of the following material: Nitrile rubber. 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.

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Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station. Wear apron or protective clothing in case of contact.
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. Wash contaminated clothing before reuse. 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: Combination filter, type A2/P3.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light (or pale). Straw.
Odour	Mild.
Odour threshold	Not available. Not available.
pH	pH (concentrated solution): ~ 10.5 pH (diluted solution): ~ 9.5@ 1%
Melting point	~ 0°C
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. : : Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	~ 1.033 @ (20°C)°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 0 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

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10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Will not polymerise.

10.4. Conditions to avoid

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

10.5. Incompatible materials

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 No specific hazardous decomposition products noted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,538.33

Skin corrosion/irritation

Human skin model test Scientifically unjustified.

Extreme pH

Moderate pH (> 2 and < 11.5). Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve. Irritating.

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

May cause discomfort if swallowed.

Skin contact

Prolonged and frequent contact may cause redness and irritation.

Eye contact

Irritation of eyes and mucous membranes.

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.

C9-C11 Alcohol ethoxylate (6)

Other health effects

There is no evidence that the product can cause cancer.

Trisodium Nitrilotriacetate

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Toxicological effects Nitrilotriacetic 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.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 7,783.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,066.0

Species Rat

Skin sensitisation

Skin sensitisation Not sensitising.

Reproductive toxicity

Reproductive toxicity - development Developmental toxicity: - NOAEL: 1,000 mg/kg, Oral, Rat

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 300 mg/kg, Oral, Rat Not classified as a specific target organ toxicant after repeated exposure.

SECTION 12: Ecological Information

Ecotoxicity

The product is not expected to be hazardous to the environment. 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 organic complexing agents with a DOC level of degradation of < 80% after 28 days. The product does not contain organically bound halogen.

Ecological information on ingredients.

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Ecotoxicity Harmful to aquatic life.

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.

C9-C11 Alcohol ethoxylate (6)

Acute toxicity - fish LC₅₀, 96 hours: 10 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 10 mg/l, Algae

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

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Acute toxicity - fish LC₅₀, 96 hours: ~ 1.11 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1.9 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 2.4 mg/l, Freshwater algae

Acute toxicity - microorganisms EC₅₀, : 3,000 mg/l, Activated sludge

Chronic toxicity - fish early life stage NOEC, : 0.135 mg/l, Onchorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, : 0.3 mg/l, Daphnia magna

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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.

Chemical oxygen demand ~ 0.163 g O₂/g substance

Ecological information on ingredients.

C9-C11 Alcohol ethoxylate (6)

Persistence and degradability The product is biodegradable. This surfactant complies 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.

Trisodium Nitilotriacetate

Persistence and degradability The product is biodegradable.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

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 : < 0

Ecological information on ingredients.

C9-C11 Alcohol ethoxylate (6)

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

Trisodium Nitilotriacetate

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

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating. BCF: 71,

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

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C9-C11 Alcohol ethoxylate (6)

Mobility The product is soluble in water.

Trisodium Nitritotriacetate

Mobility The product is soluble in water.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

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.

C9-C11 Alcohol ethoxylate (6)

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

Trisodium Nitritotriacetate

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

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

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 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. Reuse or recycle products wherever possible. 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.

SECTION 14: Transport information

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

Road transport notes Not classified.

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Rail transport notes Not classified.

Sea transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

Transport labels

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 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.
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).
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.
Health and environmental listings	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).
Water hazard classification	WGK 2

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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General information	This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.
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. www.autosmartinternational.com rbutler@autosmart.co.uk Tel +44 (0)1543 481616
Revision date	10/11/2014
Revision	7
Supersedes date	23/05/2013
Risk phrases in full	R22 Harmful if swallowed. R36 Irritating to eyes. R40 Limited evidence of a carcinogenic effect. R41 Risk of serious damage to eyes.
Hazard statements in full	H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation. H351 Suspected of causing cancer. 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.