



**MATERIAL SAFETY DATA SHEET**  
**BLACK STEAM**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product Name                      **BLACK STEAM**  
 Product No.                        **225-3**  
 Proper Shipping Name            **SODIUM HYDROXIDE SOLUTION**

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

Application:                        **Car maintenance product. - Wheel Cleaner**  
 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 Australia**  
                                           **11 Darrambal Close**  
                                           **Rathmines**  
                                           **NSW 2283**  
                                           **Australia**  
                                           **www.autosmartinternational.com**  
                                           **Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00**  
                                           **AEST) (General Information. Transport**  
                                           **Information. Mild Medical Information)**  
                                           **autosmart@autosmartaustralia.com.au**  
 Contact Person                    **Mr. Russell Butler**

**1.4. Emergency telephone number**

Emergency No: **+44 7808 971321 (24hrs) (Autosmart International, UK)**  
 General Information. Transport Information. Mild medical Information:-  
 Tel: **02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)**

**SECTION 2: HAZARDS IDENTIFICATION**

Risk Phrases	R35	Causes severe burns.
Safety Phrases	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
	S35	This material and its container must be disposed of in a safe way.

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

Human health  
 Corrosive. Prolonged contact causes serious eye and tissue damage.

**2.2. Label elements**

Contains                            **SODIUM HYDROXIDE**  
 Detergent Labelling:  
                                           **5 - < 15%**                    **amphoteric surfactants**  
 Labelling

# BLACK STEAM



Corrosive

## Risk Phrases

R35 Causes severe burns.

## Safety Phrases

S24/25 Avoid contact with skin and eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).  
 S35 This material and its container must be disposed of in a safe way.

### 2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

Statement Of Hazardous Nature

HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

ADR Class Class 8: Corrosive substances.

ADR Pack Group II

UN No. Road 1824

Emergency Action Code 2W

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

SODIUM HYDROXIDE		5-10%
CAS-No.: 1310-73-2	EC No.: 215-185-5	Registration Number: 01-2119457892-27-xxxx
Substance with a Community workplace exposure limit.		
Classification (EC 1272/2008) Met. Corr. 1 - H290 Skin Corr. 1A - H314	Classification (67/548) C;R35	
ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE		2-5 %
CAS-No.: 61789-40-0	EC No.: 263-058-8	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548) Xi;R36.	
2-BUTOXYETHANOL		2-5%
CAS-No.: 111-76-2	EC No.: 203-905-0	Registration Number: 01-2119475108-36-xxxx
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548) Xn;R20/21/22 Xi;R36/38	

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

## SECTION 4: FIRST AID MEASURES

# BLACK STEAM

## Susdp First Aid Instructions

For advice, contact a Poisons Information Centre (Phone 13 1126) or a doctor at once.

If swallowed, do NOT induce vomiting.

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

### 4.1. Description of first aid measures

#### General information

CAUTION! First aid personnel must be aware of own risk during rescue!

#### Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

#### Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues. Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Obtain medical attention and bring these instructions.

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

#### General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

#### Inhalation

Severe irritation in nose and throat. Coughing, chest tightness, feeling of chest pressure.

#### Ingestion

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

#### Skin contact

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

#### Eye contact

May cause blurred vision and serious eye damage. Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

This product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

#### Hazardous Combustion Products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

#### Specific hazards

The product is non-combustible. If heated, irritating vapours may be formed. Acrid smoke/fumes of: Oxides of: Carbon. Nitrogen.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Emergency Action Code

2W

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

# BLACK STEAM

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and aerosol spray. Provide adequate ventilation. For personal protection, see section 8.

## 6.2. Environmental precautions

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! 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 area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit. Wash thoroughly after dealing with a spillage.

## 6.4. 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

Avoid spilling, skin and eye contact. Provide good ventilation. Read and follow manufacturer's recommendations. Eye wash facilities and emergency shower must be available when handling this product. Observe good chemical hygiene practices.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Corrosive storage.

### 7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHANOL	NOHSC	20 ppm	96,9 mg/m <sup>3</sup>	50 ppm	242 mg/m <sup>3</sup>	Sk
SODIUM HYDROXIDE	NOHSC				2 mg/m <sup>3</sup>	Peak limitation

NOHSC = The National Occupational Health and Safety Commission.

Sk = Absorption through the skin may be a significant source of exposure.

# BLACK STEAM

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

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				
Freshwater	8.8	mg/l		
Marinewater	0.88	mg/l		
Sediment (Freshwater)	8.14	mg/kg		
Soil	2.8	mg/kg		
STP	463	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

## ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE (CAS: 61789-40-0)

### Ingredient Comments

No exposure limits noted for ingredient(s).

## 8.2. Exposure controls

### Protective equipment



### Process Conditions

Provide eyewash station.

### Engineering measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

### Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

### Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable. Use safety goggles and face shield in case of splash risk.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear rubber apron. Wear rubber footwear. Provide eyewash station.

### Hygiene measures

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	Dark. Brown.
Odour	Characteristic.
Solubility	Soluble in water. Miscible with water
Boiling Point (°C)	~ 100 @ 760 mm Hg
Melting point (°C)	~ 0

## BLACK STEAM

Relative density	~ 1.115 (20°C)
Vapour density (air=1)	
Not applicable.	
Vapour pressure	
Not applicable.	
Evaporation rate	
Not available.	
pH-Value, Conc. Solution	~ 14.0
pH-Value, Diluted Solution	~ 12.7 @ 1%
Viscosity	~ 75 mPas @ 20°C
Decomposition temperature (°C)	
Not available.	
Odour Threshold, Lower	
Not available.	
Odour Threshold, Upper	
Not available.	
Flash point (°C)	
Not applicable.	
Auto Ignition Temperature (°C)	
Not applicable.	
Flammability Limit - Lower(%)	
Not applicable.	
Flammability Limit - Upper(%)	
Not applicable.	
Partition Coefficient (N-Octanol/Water)	
Not available.	
Oxidising properties	
Not applicable.	
Other Information	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC) 25 g/litre

## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Violent reaction with: Acids. Strong oxidising substances.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. The solution is strongly alkaline and reacts with strong acids with heat generation.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong oxidising substances.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Skin Corrosion/Irritation

## BLACK STEAM

## Human Skin Model Test

Scientifically unjustified.

## Extreme pH

pH  $\geq$  11.5

Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve.  
Corrosive

## General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

## Inhalation

Vapours may irritate throat and respiratory system and cause coughing.

## Ingestion

May cause chemical burns in mouth, oesophagus and stomach.

## Skin contact

Causes burns. Prolonged contact may cause redness and irritation.

## Eye contact

Causes burns. Extreme irritation of eyes and mucous membranes, including burning and tearing.

## 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.

Toxicological Information on Ingredients:2-BUTOXYETHANOL (CAS: 111-76-2)

## Other Health Effects

ACGIH Carcinogen List. Carcinogen Category 3.

Acute toxicity:

Acute Toxicity (Oral LD50)

1300 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rat

Acute Toxicity (Inhalation LC50)

2.2 mg/l (vapours) Rat 4 hours

Respiratory or Skin Sensitisation

## Respiratory Sensitisation

Not available.

## Skin Sensitisation

Guinea pig maximization test. Guinea Pig

Not Sensitising.

Germ Cell Mutagenicity

Genotoxicity - In Vitro

Gene Mutation.

Negative.

This substance has no evidence of mutagenic properties.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Fertility NOAEL 720 mg/kg Mouse

Reproductive Toxicity - Development

Developmental toxicity NOAEL 100 mg/kg Rat

**BLACK STEAM**  
SODIUM HYDROXIDE (CAS: 1310-73-2)

Toxic Dose 1 - LD 50

40 mg/kg (oral-mouse)

Other Health Effects

This substance has no evidence of carcinogenic properties.

Acute toxicity:

Acute Toxicity (Oral LD50)

2000 mg/kg Rat

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

Not classified as a specific target organ toxicant after repeated exposure.

Aspiration Hazard

Not anticipated to present an aspiration hazard based on chemical structure.

Skin contact

Not a skin sensitiser.

Route of entry

Skin absorption. Ingestion. Skin and/or eye contact.

Target Organs

No specific target organs noted

ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE (CAS: 61789-40-0)

Toxic Dose 1 - LD 50

5, 000 mg/kg (oral rat)

Other Health Effects

This substance has no evidence of carcinogenic properties.

## 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, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product is not expected to be hazardous to waste water 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:

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

Ecotoxicity

Not regarded as dangerous for the environment.

SODIUM HYDROXIDE (CAS: 1310-73-2)

Ecotoxicity

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### 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.



## BLACK STEAM

Ecological Information on Ingredients:2-BUTOXYETHANOL (CAS: 111-76-2)

Acute Toxicity - Fish  
 LC50 96 hours > 100 mg/l *Lepomis macrochirus* (Bluegill)  
 Acute Toxicity Aquatic Invertebrates  
 EC50 48 hours 1550 mg/l *Daphnia magna*  
 Acute Toxicity - Aquatic Plants  
 EC50 > 100 mg/l  
 Acute Toxicity - Microorganisms  
 EC50 > 1000 mg/l  
 Chronic Toxicity - Fish Early Life Stage  
 NOEC 21 days > 100 mg/l  
 Chronic Toxicity - Aquatic Invertebrates  
 NOEC 21 days 100 mg/l *Daphnia magna*

SODIUM HYDROXIDE (CAS: 1310-73-2)

LC 50, 96 Hrs, Fish  
 mg/l 125  
 LC50 48 hours ~ 189 mg/l *Leuciscus idus* (Golden orfe)  
 EC 50, 48 Hrs, *Daphnia*, mg/l  
 40-240  
 Acute Toxicity Aquatic Invertebrates  
 EC50 48 hours > 100 mg/l *Daphnia magna*  
 Acute Toxicity - Aquatic Plants  
 Not known.

ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE (CAS: 61789-40-0)

LC 50, 96 Hrs, Fish  
 mg/l 9.6  
 Acute Toxicity - Fish  
 LC50 72 hours ~ 9.6 mg/l *Leuciscus idus* (Golden orfe)  
 EC 50, 48 Hrs, *Daphnia*, mg/l  
 21.5  
 IC 50, 72 Hrs, Algae, mg/l  
 30

12.2. Persistence and degradability

## Degradability

The surfactant(s) contained in this preparation 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:2-BUTOXYETHANOL (CAS: 111-76-2)

Degradability  
 The product is biodegradable.  
 Biodegradation  
 Water % Degradation 90.4 28 days

SODIUM HYDROXIDE (CAS: 1310-73-2)

Degradability  
 The product is biodegradable.  
 Stability (Hydrolysis)  
 Not applicable.  
 Biological Oxygen Demand  
 ~ 0 g O<sub>2</sub>/g substance

ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE (CAS: 61789-40-0)

Degradability  
 The product is biodegradable.

12.3. Bioaccumulative potential

## BLACK STEAM

## Bioaccumulative potential

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

## Partition coefficient

Not available.

Ecological Information on Ingredients:2-BUTOXYETHANOL (CAS: 111-76-2)

## Bioaccumulative potential

The product is not bioaccumulating.

## Partition coefficient

0.81

SODIUM HYDROXIDE (CAS: 1310-73-2)

## Bioaccumulative potential

The product is not bioaccumulating.

ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE (CAS: 61789-40-0)

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

## Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Adsorption/Desorption Coefficient

Soil Koc ~ 67

Henry's Law Constant

0.000016 atm m<sup>3</sup>/mol

Surface Tension

65 mN/m

SODIUM HYDROXIDE (CAS: 1310-73-2)

## Mobility:

The product is soluble in water.

Henry's Law Constant

Not Applicable - Inorganic chemical.

ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE (CAS: 61789-40-0)

## Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Ecological Information on Ingredients:2-BUTOXYETHANOL (CAS: 111-76-2)

Not Classified as PBT/vPvB by current EU criteria.

SODIUM HYDROXIDE (CAS: 1310-73-2)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

## General information

The packaging must be empty (drop-free, when inverted).

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

## BLACK STEAM

## SECTION 14: TRANSPORT

INFORMATION 14.1. UN number

UN No. Road	1824
UN No. Sea	1824
UN No., Air	1824

14.2. UN proper shipping name

Proper Shipping Name                    SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR Class No.	8
ADR Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class	8
Transport Labels	

14.4. Packing group

ADR Pack Group	II
IMDG Pack Gr.	II
Air Pack Gr.	II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

14.6. Special precautions for user

Segregation Group	18. Alkalis.
EMS	F-A, S-B
Emergency Action Code	2W
Tunnel Restriction Code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

Poisons Schedule Number            6

## BLACK STEAM

## National Regulations And References

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). National Code of Practice for the Preparation of Material Safety Data Sheets. Approved Criteria for Classifying Hazardous Substances. Exposure Standards for Atmospheric Contaminants in the Occupational Environment. Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment. National Code of Practice for the Labelling of Workplace Substances. National Model Regulations for the Control of Workplace Hazardous Substances. National Code of Practice for the Control of Workplace Hazardous Substances. National Standard for the Storage and Handling of Workplace Dangerous Goods. National Code of Practice for the Storage and Handling of Workplace Dangerous Goods. Guidance Note for Placarding Stores for Dangerous Goods and Specified Hazardous Substances. Guidance Note for the Assessment of Health Risks Arising from Hazardous Substances in the Workplace. National Standard for the Control of Major Hazard Facilities. National Code of Practice for the Control of Major Hazard Facilities.

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

## EU Legislation

Dangerous Substance Directive 67/548/EEC. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## Health And Environmental Listings

Regulation EC 689/2008 concerning the export and import of dangerous chemicals. 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. www.autosmartinternational.com rbutler@autosmart.co.uk Tel +44 (0)1543 481616
-----------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Revision Date	04/02/2014
---------------	------------

Revision	1
----------	---

## Supersedes date

Safety Data Sheet Status	Approved.
--------------------------	-----------

## Risk Phrases In Full

R35	Causes severe burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating 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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

## Disclaimer

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.