

### SAFETY DATA SHEET

### pH Increase

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, February 2016

SECTION 1: Identification: Product identifier and chemical identity			
Product identifier	Product identifier		
Product name	oduct name pH Increase		
Relevant identified uses of the substance or mixture and uses advised against			
Application	Additive - 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.		
Details of the supplier of the s	afety data sheet		
Supplier	Autosmart Australia 11 Darrambal Close Rathmines NSW 2283 Australia www.autosmartaustralia.com.au 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		
Emergency telephone number	<u>r</u>		
Emergency telephone	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)		
National emergency telephone number	e Poison Information Hotline: 13 11 26		
SECTION 2: Hazard(s) identif	ication		
Classification of the substance or mixture			
Physical hazards	Met. Corr. 1 - H290		
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318		
Environmental hazards	Not Classified		
Label elements			
Hazard pictograms			
Signal word	DANGER		

Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements	<ul> <li>P260 Do not breathe vapour/ spray.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water/ shower.</li> <li>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P310 Immediately call a POISON CENTER or doctor/ physician.</li> </ul>
Contains	sodium hydroxide

### Other hazards

This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

30<60%

### SECTION 3: Composition and information on ingredients

### Mixtures

### sodium hydroxide

CAS number: 1310-73-2

Substance with a Community workplace exposure limit.

#### Classification

Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### Description of first aid measures

General information	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. Chemical burns must be treated by a physician.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. 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. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Skin Contact	It is important to remove the substance from the skin immediately. Take off immediately all contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Chemical burns must be treated by a physician.

Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.	
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.	
Most important symptoms and	effects, both acute and delayed	
General information	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.	
Inhalation	A single exposure may cause the following adverse effects: Severe irritation of nose and throat. Symptoms following overexposure may include the following: Corrosive to the respiratory tract.	
Ingestion	May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.	
Skin contact	Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.	
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.	
Indication of any immediate medical attention and special treatment needed		
Indication of any immediate m	edical attention and special treatment needed	
Indication of any immediate m Notes for the doctor	edical attention and special treatment needed Treat symptomatically.	
	Treat symptomatically.	
Notes for the doctor	Treat symptomatically.	
Notes for the doctor SECTION 5: Firefighting meas	Treat symptomatically.	
Notes for the doctor SECTION 5: Firefighting meas Extinguishing media	Treat symptomatically.	
Notes for the doctor SECTION 5: Firefighting meas Extinguishing media Suitable extinguishing media Unsuitable extinguishing	Treat symptomatically. Sures The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.	
Notes for the doctor SECTION 5: Firefighting meas Extinguishing media Suitable extinguishing media Unsuitable extinguishing media	Treat symptomatically. Sures The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.	
Notes for the doctor SECTION 5: Firefighting meas Extinguishing media Suitable extinguishing media Unsuitable extinguishing media Special hazards arising from t	Treat symptomatically.  Sures  The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.  he substance or mixture  Containers can burst violently or explode when heated, due to excessive pressure build-up. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the	
Notes for the doctor SECTION 5: Firefighting means Extinguishing media Suitable extinguishing media Unsuitable extinguishing media Special hazards arising from t Specific hazards Hazardous combustion	Treat symptomatically.  Sures  The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.  Me substance or mixture  Containers can burst violently or explode when heated, due to excessive pressure build-up. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.  Thermal decomposition or combustion products may include the following substances: Very	

Special protective equipment for firefighters	Regular protection may not be safe. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.
Hazchem Code	2R
SECTION 6: Accidental release	se measures
Personal precautions, protecti	ve equipment and emergency procedures
Personal precautions	No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes. Avoid contact with contaminated tools and objects.
Environmental precautions	
Environmental precautions	The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
Methods and material for cont	ainment and cleaning up
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. This product is corrosive. Approach the spillage from upwind. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spillage. Neutralise with acid. Caution. May generate heat. Following dilution and neutralisation, discharge 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. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Reference to other sections	
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
SECTION 7: Handling and sto	rage, including how the chemical may be safely used
Precautions for safe handling	
Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. This product is corrosive. Immediate first aid is imperative. Do not handle until all safety precautions have been read and understood. Do not

imperative. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.	
Conditions for safe storage, in	cluding any incompatibilities	
Storage precautions	Store away from incompatible materials (see Section 10). Store in accordance with local regulations. Store away from the following materials: Acids. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Store in corrosive resistant container with a resistant inner liner. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.	
Storage class	Corrosive storage.	
Specific end use(s)		
Specific end use(s)	The identified uses for this product are detailed in Section 1.	
SECTION 8: Exposure controls and personal protection		
Control parameters		
Occupational exposure limits		
sodium hydroxide		

Ceiling value: 2 mg/m<sup>3</sup>

#### Exposure controls

### Protective equipment







Appropriate engineering controls

Eye/face protection

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with Australia/New Zealand Standard AS/NZS 1337. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. The breakthrough time for any glove material may be different for different glove manufacturers. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. When used with mixtures, the protection time of gloves cannot be accurately estimated. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Thickness: >0.2mm The selected gloves should have a breakthrough time of at least 0.5 hours. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### **SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties	
Appearance	Liquid.
Colour	Clear.
Odour	Characteristic.
рН	pH (concentrated solution): >13
Melting point	Not available.
Initial boiling point and range	>107°C @ 1,013 mbar

Flash point	Not applicable.	
Vapour pressure	3 hPa @ 20°C	
Relative density	~ 1.506 @ 20°C	
Solubility(ies)	Miscible with water.	
Viscosity	~ 3.3 mPa s @ 20°C	
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.	
Volatile organic compound	This product contains a maximum VOC content of 0 %.	
SECTION 10: Stability and rea	activity	
Reactivity	May be corrosive to metals.	
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.	
Possibility of hazardous reactions	No potentially hazardous reactions known.	
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.	
Materials to avoid	Acid anhydrides. Acids. Phenols, cresols. Mild steel. Stainless steel. Aluminium. May be corrosive to metals.	
Hazardous decomposition	Does not decompose when used and stored as recommended. Thermal decomposition or	
products	combustion products may include the following substances: Corrosive gases or vapours.	
-	combustion products may include the following substances: Corrosive gases or vapours.	
products SECTION 11: Toxicological in Information on toxicological ef	combustion products may include the following substances: Corrosive gases or vapours.	
products SECTION 11: Toxicological in	combustion products may include the following substances: Corrosive gases or vapours.	
products SECTION 11: Toxicological in Information on toxicological ef Acute toxicity - oral	combustion products may include the following substances: Corrosive gases or vapours. formation fects	
products SECTION 11: Toxicological in Information on toxicological ef Acute toxicity - oral Notes (oral LD <sub>50</sub> ) Acute toxicity - dermal	combustion products may include the following substances: Corrosive gases or vapours.  formation fects Based on available data the classification criteria are not met.	
products SECTION 11: Toxicological in Information on toxicological eff Acute toxicity - oral Notes (oral LD <sub>50</sub> ) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation	combustion products may include the following substances: Corrosive gases or vapours.         formation         fects         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.	
products SECTION 11: Toxicological in Information on toxicological eff Acute toxicity - oral Notes (oral LD <sub>50</sub> ) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation	combustion products may include the following substances: Corrosive gases or vapours.  formation fects Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.	
products SECTION 11: Toxicological in Information on toxicological eff Acute toxicity - oral Notes (oral LD50) Acute toxicity - dermal Notes (dermal LD50) Acute toxicity - inhalation Notes (inhalation LC50) Skin corrosion/irritation Animal data	combustion products may include the following substances: Corrosive gases or vapours.         formation         fects         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.         Skin Corr. 1A - H314 Causes severe burns.	
products SECTION 11: Toxicological in Information on toxicological eff Acute toxicity - oral Notes (oral LD <sub>50</sub> ) <u>Acute toxicity - dermal</u> Notes (dermal LD <sub>50</sub> ) <u>Acute toxicity - inhalation</u> Notes (inhalation LC <sub>50</sub> ) <u>Skin corrosion/irritation</u> Animal data Extreme pH Serious eye damage/irritation	combustion products may include the following substances: Corrosive gases or vapours.         formation         fects         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.         Based on available data the classification criteria are not met.         Skin Corr. 1A - H314 Causes severe burns.         ≥ 11.5 Corrosive.	
products SECTION 11: Toxicological in Information on toxicological ef Acute toxicity - oral Notes (oral LD <sub>50</sub> ) Acute toxicity - dermal Notes (dermal LD <sub>50</sub> ) Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> ) Skin corrosion/irritation Animal data Extreme pH Serious eye damage/irritation Serious eye damage/irritation Respiratory sensitisation	combustion products may include the following substances: Corrosive gases or vapours. formation fects Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Based on available data the classification criteria are not met. Skin Corr. 1A - H314 Causes severe burns. ≥ 11.5 Corrosive. Eye Dam. 1 - H318 Corrosive to skin. Corrosivity to eyes is assumed.	

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
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	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Corrosive to the respiratory tract. Symptoms following overexposure may include the following: Severe irritation of nose and throat.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.
Skin Contact	Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target Organs	No specific target organs known.
Toxicological information on in	gredients.

### sodium hydroxide

Other health effects	ther health effects There is no evidence that the product can cause cancer.		
Specific target organ toxicity - single exposure			
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.		
Specific target organ toxicit	Specific target organ toxicity - repeated exposure		
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.		
Aspiration hazard			
Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.		
Route of exposure	Skin absorption Ingestion Skin and/or eye contact		
Target Organs	No specific target organs known.		

SECTION 12: Ecological information		
Ecotoxicity	The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.	
Ecological i	nformation on ingredients.	
		sodium hydroxide
	Ecotoxicity	The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
Toxicity	Based o	n available data the classification criteria are not met.
Ecological information on ingredients.		
		sodium hydroxide
	Acute aquatic toxicity	
	Acute toxicity - fish	LC50, 48 hours: ~ 189 mg/l, Leuciscus idus (Golden orfe) LC₅₀, 96 hours: 125 mg/l, Fish
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: > 100 mg/l, Daphnia magna EC₅₀, 48 hours: 40-240 mg/l, Daphnia magna
	Acute toxicity - aquatic plants	Not known.
Persistence	and degradability	
Persistence	• • •	duct contains inorganic substances which are not biodegradable. The product is lly degradable.
Ecological i	nformation on ingredients.	
		sodium hydroxide
	Persistence and degradability	The product contains only inorganic substances which are not biodegradable. The product is potentially degradable.
	Stability (hydrolysis)	Not applicable.
	Biological oxygen demand	∼ 0 g O₂/g substance
Bioaccumul	lative potential	
Bioaccumul	lative Potential No data	available on bioaccumulation.
Ecological i	nformation on ingredients.	
		sodium hydroxide
	Bioaccumulative Potential	The product is not bioaccumulating.
Mobility in s	soil	
Mobility	The proc	duct is water-soluble and may spread in water systems. The product is non-volatile.
Ecological information on ingredients.		
		sodium hydroxide
	Mobility	The product is soluble in water.

Henry's law cons	tant The product contains mainly inorganic substances which are not biodegradable.		
Other adverse effects			
Other adverse effects	None known.		
SECTION 13: Disposal considerations			
Waste treatment methods			
General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.		
Disposal methods	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.		
SECTION 14: Transport inform	nation		
General	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.		
UN number			
UN No. (ADG)	1824		
UN No. (IMDG)	1824		
UN No. (ICAO)	1824		
UN proper shipping name			
Proper shipping name (ADG)	SODIUM HYDROXIDE SOLUTION		
Proper shipping name (IMDG)	SODIUM HYDROXIDE SOLUTION		
Proper shipping name (ICAO)	SODIUM HYDROXIDE SOLUTION		
Transport hazard class(es)			
ADG class	8		
ADG classification code	C5		
ADG label	8		
IMDG class	8		
ICAO class/division	8		
Transport labels			



Packing group

ADG packing group	П
IMDG packing group	П
ICAO packing group	П

Environmental hazards

Environmentally hazardous substance/marine pollutant No.

### Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

IMDG Code segregation	18. Alkalis
group	
EmS	F-A, S-B
Hazchem Code	2R

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

### SECTION 15: Regulatory information

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

National regulations	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.
Schedule (SUSMP)	Schedule 6. Poison.
Inventories	
Australia - AICS	

All the ingredients are listed or exempt.

### SECTION 16: Any other relevant information

Abbreviations and acronyms used in the safety data sheet	ADG: Australian dangerous goods code
	<ul> <li>IATA: International air transport association.</li> <li>ICAO: Technical instructions for the safe transport of dangerous goods by air.</li> <li>IMDG: International maritime dangerous goods.</li> <li>CAS: Chemical abstracts service.</li> <li>ATE: Acute toxicity estimate.</li> <li>LC<sub>50</sub>: Lethal concentration to 50 % of a test population.</li> <li>LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).</li> <li>EC<sub>50</sub>: 50% of maximal effective concentration.</li> <li>PBT: Persistent, bioaccumulative and toxic substance.</li> <li>vPvB: Very persistent and very bioaccumulative.</li> </ul>
Classification abbreviations and acronyms	Met. Corr. = Corrosive to metals Eye Dam. = Serious eye damage Skin Corr. = Skin corrosion
Training advice	Read and follow manufacturer's recommendations. 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	5/11/2019
Revision	1
SDS No.	21788
SDS status	Approved.
Hazard statements in full	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.

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.