



**MATERIAL SAFETY DATA SHEET**  
**Acid Free Wheel Cleaner**

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

**1.1. Product identifier**

**Product Name** Acid Free Wheel Cleaner  
**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**

R36/38 Irritating to eyes and skin.

**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.  
S37 Wear suitable gloves.

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

**Human health**

Corrosive. Prolonged contact causes serious eye and tissue damage.

**2.2. Label elements**

**Detergent Labelling:**

< 5% amphoteric surfactants

**Labelling**



Irritant

**Risk Phrases**

R36/38 Irritating to eyes and skin.

## Acid Free Wheel Cleaner

### 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.
S37	Wear suitable gloves.

### 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** III

**UN No. Road** 1824

**Emergency Action Code** 2R

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b>	<b>1-2%</b>
<b>CAS-No.: 1310-73-2</b>	<b>EC No.: 215-185-5</b>
<b>Registration Number: 01-2119457892-27-xxxx</b>	
<b>Substance with a Community workplace exposure limit.</b>	
Classification (EC 1272/2008) Met. Corr. 1 - H290 Skin Corr. 1A - H314	Classification (67/548) C;R35
<b>ALKYL AMIDO PROPYL DIMETHYLAMINE BETAINE</b>	<b>1-2%</b>
<b>CAS-No.: 61789-40-0</b>	<b>EC No.: 263-058-8</b>
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548) Xi;R36.
<b>2-BUTOXYETHANOL</b>	<b>0.5-0.7%</b>
<b>CAS-No.: 111-76-2</b>	<b>EC No.: 203-905-0</b>
<b>Registration Number: 01-2119475108-36-xxxx</b>	
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

### Susdp First Aid Instructions

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

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!

## Acid Free Wheel Cleaner

### **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. 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 dependant of the concentration and the length of exposure.

### **Inhalation**

Upper respiratory irritation.

### **Ingestion**

May cause discomfort if swallowed. Nausea, vomiting.

### **Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

### **Eye contact**

Irritation of eyes and mucous membranes.

## **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. The product is non-combustible. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

### **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**                      2R

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

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**

## Acid Free Wheel Cleaner

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. 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

Chemical 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.

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

##### DNEL

Industry	Dermal	Short Term	89	mg/kg/day
Industry	Inhalation.	Short Term	246	mg/m <sup>3</sup>
Industry	Dermal	Long Term	75	mg/kg/day
Industry	Inhalation.	Long Term	98	mg/m <sup>3</sup>
Consumer	Dermal	Short Term	44.5	mg/kg/day
Consumer	Inhalation.	Short Term	123	mg/m <sup>3</sup>
Consumer	Oral	Short Term	13.4	mg/kg/day
Consumer	Dermal	Long Term	38	mg/kg/day
Consumer	Inhalation.	Long Term	49	mg/m <sup>3</sup>

##### 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/m <sup>3</sup>
Industry	Inhalation.	Short Term	1	mg/m <sup>3</sup>
Industry	Inhalation.	Long Term	1	mg/m <sup>3</sup>

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

#### Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



## Acid Free Wheel Cleaner

### 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.

### Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. 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

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>Solubility</b>	Soluble in water. Miscible with water
<b>Boiling Point (°C)</b>	~ 100 @ 760 mm Hg
<b>Melting point (°C)</b>	~ 0
<b>Relative density</b>	~ 1.050 (20°C)
<b>Vapour density (air=1)</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Evaporation rate</b>	Not available.
<b>pH-Value, Conc. Solution</b>	~ 11.5
<b>pH-Value, Diluted Solution</b>	Not applicable.
<b>Viscosity</b>	~ 75 mPas @ 20°C
<b>Decomposition temperature (°C)</b>	Not available.
<b>Odour Threshold, Lower</b>	Not available.
<b>Odour Threshold, Upper</b>	Not available.
<b>Flash point (°C)</b>	Not applicable.
<b>Auto Ignition Temperature (°C)</b>	Not applicable.
<b>Flammability Limit - Lower(%)</b>	Not applicable.
<b>Flammability Limit - Upper(%)</b>	Not applicable.
<b>Partition Coefficient (N-Octanol/Water)</b>	< 0
<b>Oxidising properties</b>	Not applicable.
<b>Other Information</b>	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

# Acid Free Wheel Cleaner

## 9.2. Other information

Volatile Organic Compound (VOC) 5 g/litre

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

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.

### 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

##### 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. Irritating.

#### 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 discomfort if swallowed.

#### Skin contact

Prolonged contact may cause redness and irritation.

#### Eye contact

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:

**Acid Free Wheel Cleaner**  
**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

**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

**Acid Free Wheel Cleaner****2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)****Toxic Dose 1 - LD 50**

5660 mg/kg (oral rat)

**Other Health Effects**

This substance has no evidence of carcinogenic properties.

**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.

**2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)****Ecotoxicity**

The product is not expected to be toxic 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.



## Acid Free Wheel Cleaner

### 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

#### 2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

##### **Degradability**

The product is biodegradable.

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

##### **Degradability**

The product is biodegradable.

## Acid Free Wheel Cleaner

**12.3. Bioaccumulative potential****Bioaccumulative potential**

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

**Partition coefficient** < 0

**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.

**2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)****Bioaccumulative potential**

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

## Acid Free Wheel Cleaner

### 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.

## 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
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### 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	III
IMDG Pack Gr.	III
Air Pack Gr.	III

### 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	2R
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	5
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## Acid Free Wheel Cleaner

### 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.

#### Revision Comments

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

<b>Revision Date</b>	08/10/2013
<b>Revision</b>	2
<b>Supersedes date</b>	23/09/2011

#### 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.