SAFETY DATA SHEET
Smart Wheels

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Smart Wheels
Product number: 216-3

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaning agent - Wheel Cleaner
Uses advised against: This product is not recommended for any industrial, professional or consumer use other than the identified uses above. For professional use only.

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 (EC/1272/2008)
Health hazards: Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards: Not Classified
Smart Wheels

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

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

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

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

Detergent labelling
< 5% amphoteric surfactants

Supplementary precautionary statements
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P390 Absorb spillage to prevent material damage.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>SODIUM HYDROXIDE</th>
<th>3&lt;5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 1310-73-2</td>
<td>EC number: 215-185-5</td>
</tr>
</tbody>
</table>

Substance with a Community workplace exposure limit.

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met. Corr. 1 - H290</td>
<td>C;R35</td>
</tr>
<tr>
<td>Skin Corr. 1A - H314</td>
<td></td>
</tr>
<tr>
<td>Eye Dam. 1 - H318</td>
<td></td>
</tr>
</tbody>
</table>
### Smart Wheels

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts</td>
<td>3&lt;5%</td>
<td>0000000-00-0</td>
<td>931-296-8</td>
<td>01-2119488533-30-XXXX</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>2&lt;3%</td>
<td>111-76-2</td>
<td>203-905-0</td>
<td>01-2119475108-36-xxxx</td>
</tr>
<tr>
<td>2-(2-Butoxyethoxy)ethanol</td>
<td>0.7&lt;1.0%</td>
<td>112-34-5</td>
<td>203-961-6</td>
<td>01-2119475104-44-XXXX</td>
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</table>

#### Classification

<table>
<thead>
<tr>
<th>Substance</th>
<th>Eye Dam.</th>
<th>Aquatic Chronic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts</td>
<td>1 - H318</td>
<td>3 - H412</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-(2-Butoxyethoxy)ethanol</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

- Eye Dam. 1 - H318
- Aquatic Chronic 3 - H412
- Xi;R36.

#### Substance with a Community workplace exposure limit.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**

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

**Inhalation**

Remove affected person from source of contamination. Get medical attention if any discomfort continues.

**Ingestion**

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

**Skin contact**

Remove contaminated clothing and rinse skin thoroughly with water. 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. Show this Safety Data Sheet to the medical personnel.

#### 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.
Smart Wheels

Inhalation  Coughing, chest tightness, feeling of chest pressure.
Ingestion  May cause chemical burns in mouth and throat. May cause discomfort if swallowed. 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. Severe irritation, burning and tearing.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor  No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media  The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards  The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: 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
Smart Wheels

7.1. Precautions for safe handling

**Usage precautions**
Avoid spilling. Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Eye wash facilities and emergency shower must be available when handling this product. 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.

**Storage class**
Corrosive storage.

7.3. Specific end use(s)

**Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

---

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

**Occupational exposure limits**

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

**2-BUTOXYETHANOL**
Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³
Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³
Sk

**2-(2-BUTOXYETHOXY)ETHANOL**
Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³
Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

**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  |

**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

**2-BUTOXYETHANOL (CAS: 111-76-2)**
Smart Wheels

### DNEL
- Industry - Dermal; Short term : 89 mg/kg/day
- Industry - Inhalation; Short term : 246 mg/m³
- Industry - Dermal; Long term : 75 mg/kg/day
- Industry - Inhalation; Long term : 98 mg/m³
- Consumer - Dermal; Short term : 44.5 mg/kg/day
- Consumer - Inhalation; Short term : 123 mg/m³
- Consumer - Oral; Short term : 13.4 mg/kg/day
- Consumer - Dermal; Long term : 38 mg/kg/day
- Consumer - Inhalation; Long term : 49 mg/m³

### PNEC
- Fresh water; 8.8 mg/l
- Marine water; 0.88 mg/l
- Sediment (Freshwater); 8.14 mg/kg
- Soil; 2.8 mg/kg
- STP; 463 mg/l

---

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

### DNEL
- Industry - Inhalation; : 101.2 mg/m³
- Industry - Dermal; : 20 mg/kg/day
- Consumer - Inhalation; : mg/m³
- Consumer - Dermal; : 10 mg/kg/day
- Consumer - Oral; : 1.25 mg/kg/day

### PNEC
- Fresh water; 1 mg/l
- Marine water; 0.1 mg/l
- Sediment (Freshwater); 4 mg/kg
- Sediment (Marine water); 0.4 mg/kg
- Soil; 0.4 mg/kg

---

### 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**
Use protective gloves. Wear protective gloves made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

**Other skin and body protection**
Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact. 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. Use appropriate hand lotion to prevent defatting and cracking of skin. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**Respiratory protection**
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.
Smart Wheels

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

**Appearance**  
Viscous liquid.

**Colour**  
Brown.

**Odour**  
Mild.

**Odour threshold**  
Not available.

**pH**  
\( \text{pH (concentrated solution): } \sim 13.8 \)  
\( \text{pH (diluted solution): } 12.4 @ 1\% \)

**Melting point**  
\( \sim 0^\circ\text{C} \)

**Initial boiling point and range**  
\( \sim 100^\circ\text{C} @ 760 \text{ mm Hg} \)

**Flash point**  
Not applicable.

**Evaporation rate**  
Not available.

**Upper/lower flammability or explosive limits**  
Not applicable.

**Vapour pressure**  
Not applicable.

**Vapour density**  
Not applicable.

**Relative density**  
\( \sim 1.080 @ 20^\circ\text{C} \)

**Solubility(ies)**  
Soluble in water. Miscible with water.

**Partition coefficient**  
\(< 0\)

**Auto-ignition temperature**  
Not applicable.

**Decomposition Temperature**  
Not available.

**Viscosity**  
\( \sim 1 \text{ cSt} @ 20^\circ\text{C} \)

**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 24 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

**Stability**  
Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**  
Will not polymerise.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid
Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products
No specific hazardous decomposition products noted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
ATE oral (mg/kg) 57,777.77777778

Acute toxicity - dermal
ATE dermal (mg/kg) 48,888.88888889

Acute toxicity - inhalation
ATE inhalation (vapours mg/l) 488.88888889

Skin corrosion/irritation
Human skin model test Scientifically unjustified.

Extreme pH
≥ 11.5 The classification is based on the criteria for extreme pH values, under Regulation (EC) 1272/2008, Annex I, section 3.2.3.1.2. Corrosive.

General information
This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation
May cause respiratory system irritation.

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

Skin contact
Corrosive. Prolonged contact causes serious tissue damage.

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

Route of entry
Ingestion. Skin and/or eye contact

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

Toxicological information on ingredients.

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
Smart Wheels

**Species**

**Rat**

**Skin sensitisation**

Not sensitising.

**Reproductive toxicity**

**Developmental toxicity**:
- NOAEL: 1,000 mg/kg, Oral, 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**

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

### SECTION 12: Ecological Information

**Ecotoxicity**

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.**

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.**

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
Smart Wheels

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

12.2. Persistence and degradability

Persistence and degradability
The surfactant(s) contained in this product 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.

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

Persistance 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.

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 contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Ecological information on ingredients.

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.

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
Smart Wheels

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>General information</th>
<th>The packaging must be empty (drop-free when inverted).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal methods</td>
<td>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.</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

14.1. UN number

<table>
<thead>
<tr>
<th>UN No. (ADR/RID)</th>
<th>1824</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No. (IMDG)</td>
<td>1824</td>
</tr>
<tr>
<td>UN No. (ICAO)</td>
<td>1824</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Proper shipping name (ADR/RID)</th>
<th>SODIUM HYDROXIDE SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name (IMDG)</td>
<td>SODIUM HYDROXIDE SOLUTION</td>
</tr>
<tr>
<td>Proper shipping name (ICAO)</td>
<td>SODIUM HYDROXIDE SOLUTION</td>
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<td>Proper shipping name (ADN)</td>
<td>SODIUM HYDROXIDE SOLUTION</td>
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14.3. Transport hazard class(es)

<table>
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<th>ADR/RID class</th>
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<tbody>
<tr>
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<tr>
<td>IMDG class</td>
<td>8</td>
</tr>
<tr>
<td>ICAO class/division</td>
<td>8</td>
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</table>

14.4. Packing group

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<thead>
<tr>
<th>ADR/RID packing group</th>
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</thead>
<tbody>
<tr>
<td>IMDG packing group</td>
<td>II</td>
</tr>
<tr>
<td>ICAO packing group</td>
<td>II</td>
</tr>
</tbody>
</table>

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
Smart Wheels

IMDG Code segregation group
18. Alkalis

EmS
F-A, S-B

Emergency Action Code
2W

Hazard Identification Number (ADR/RID)
80

Tunnel restriction code
(E)

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

SECTION 15: Regulatory information

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

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
07/11/2014

Revision
8

Supersedes date
08/05/2013

SDS status
Approved.

Risk phrases in full
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R35 Causes severe burns.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
Smart Wheels

**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.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- 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.