SAFETY DATA SHEET
STARGARD ALLOY WHEEL CLEANER 400ML

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

1.1. Product identifier
Product name ALLOY WHEEL CLEANER 400ML 000998082994
Product No.

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

1.3. Details of the supplier of the safety data sheet
Supplier SUPAGARD LIMITED
23, Gavinton Street,
Muirend,
Glasgow,
Scotland,
G44 3EF
0141 633 5933
0141 637 7219
james@supagard.co.uk

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical and Chemical Hazards Flam. Aerosol 1 - H222
Human health Skin Irrit. 2 - H315; Eye Irrit. 2 - H319
Environment Not classified.
Classification (1999/45/EEC) Xi; R36/38. F+; R12.
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Detergent Labelling:
< 5% Aliphatic hydrocarbons
non-ionic surfactants
perfumes
Label In Accordance With (EC) No. 1272/2008

Signal Word Danger

Hazard Statements
H222 Extremely flammable aerosol.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary Statements
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P332+313 If skin irritation occurs: Get medical advice/attention.
P337+313 If eye irritation persists: Get medical advice/attention.
STARGARD ALLOY WHEEL CLEANER 400ML

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P362 Wash contaminated skin thoroughly after handling.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BUTANE</td>
<td>1-5%</td>
<td>106-97-8</td>
<td>203-448-7</td>
<td>Flam. Gas 1 - H220</td>
<td>F+, R12</td>
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<tr>
<td>ISOBUTANE</td>
<td>1-5%</td>
<td>75-28-5</td>
<td>200-857-2</td>
<td>Flam. Gas 1 - H220</td>
<td>F+, R12</td>
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<tr>
<td>NAPHTHA (PETROLEUM), HYDROTREATED HEAVY</td>
<td>1-5%</td>
<td>64742-48-9</td>
<td>919-857-5</td>
<td>Flam. Liq. 3 - H226</td>
<td>Xn; R65, R10, R66, R67, EUH066, STOT SE 3 - H336, Asp. Tox. 1 - H304</td>
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<tr>
<td>PROPANE</td>
<td>1-5%</td>
<td>74-98-6</td>
<td>200-827-9</td>
<td>Flam. Gas 1 - H220</td>
<td>F+, R12</td>
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</table>
**STARGARD ALLOY WHEEL CLEANER 400ML**

SODIUM HYDROXIDE 1-5%

CAS-No.: 1310-73-2 EC No.: 215-185-5

Classification (EC 1272/2008)
Skin Corr. 1A - H314
Classification (67/548/EEC)
C:R35

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

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

**General information**
Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**Inhalation**
Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

**Ingestion**
DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

**Skin contact**
Wash the skin immediately 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. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

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

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media
Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

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

Unusual Fire & Explosion Hazards
Aerosol cans may explode in a fire.

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures
Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### 6.2. Environmental precautions

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


#### 6.4. Reference to other sections

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling
STARGARD ALLOY WHEEL CLEANER 400ML

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities
Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
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<tbody>
<tr>
<td>BUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1450 mg/m3</td>
<td>750 ppm 1810 mg/m3</td>
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<tr>
<td>NAPHTHA (PETROLEUM), HYDROTREATED HEAVY</td>
<td></td>
<td>1000 mg/m3</td>
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<tr>
<td>PROPANE</td>
<td></td>
<td>Asphyxiating</td>
<td>Asphyxiating.</td>
<td>Asphyxiating Asphyxiating</td>
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<tr>
<td>SODIUM HYDROXIDE</td>
<td>WEL</td>
<td></td>
<td></td>
<td>2 mg/m3</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment

Engineering measures
Provide adequate general and local exhaust ventilation.
Respiratory equipment
No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use chemical cartridge protection with appropriate cartridge.
Hand protection
Use protective gloves.
Eye protection
Use approved safety goggles or face shield.
Other Protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
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. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance     Aerosol.
Colour         Typical
Odour          Characteristic.
Flammability Limit - Lower(%) 0.8
Flammability Limit - Upper(%) 9.0

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
10.2. Chemical stability
Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation
May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.

Ingestion
May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

Skin contact
Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause allergic contact eczema. May cause sensitisation by skin contact. Irritating to skin.

Eye contact
Irritating to eyes. May cause chemical eye burns.

Route of entry
Inhalation. Skin and/or eye contact.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
Dangerous for the environment if discharged into watercourses.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
UN No. (ADR/RID/ADN) 1950
14.2. UN proper shipping name

Proper Shipping Name AEROSOLS

14.3. Transport hazard class(es)

ADR/RID/ADN Class 2
ADR/RID/ADN Class Class 2: Gases
ADR Label No. 2.1
IMDG Class 2.1
ICAO Class/Division 2.1
Transport Labels

14.4. Packing group

ADR/RID/ADN Packing group Not Applicable
IMDG Packing group Not Applicable
ICAO Packing group Not Applicable

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

EMS F-D, S-U

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

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References
The Control of Substances Hazardous to Health Regulations 2002.
Statutory Instruments
The Control of Substances Hazardous to Health Regulations 2002.
Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes
Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation HS(G)37.
CHIP for everyone HSG(108).

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION
Risk Phrases In Full

R35  Causes severe burns.
R12  Extremely flammable.
R10  Flammable.
R65  Harmful: may cause lung damage if swallowed.
R36/38  Irritating to eyes and skin.
R66  Repeated exposure may cause skin dryness or cracking.
R67  Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H319  Causes serious eye irritation.
H314  Causes severe skin burns and eye damage.
H315  Causes skin irritation.
H222  Extremely flammable aerosol.
H220  Extremely flammable gas.
H226  Flammable liquid and vapour.
H304  May be fatal if swallowed and enters airways.
H336  May cause drowsiness or dizziness.
EUH066  Repeated exposure may cause skin dryness or cracking.