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

1.1. Product identifier

Product name: WATER GLYCOL FLUID C
Product code: AJA

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

Use of substance / mixture: Lubricant

1.3. Details of the supplier of the safety data sheet

Company name: Pennine Lubricants Limited
Unit 35 Limestone Cottage Lane
Sheffield
South Yorkshire
S6 1NJ
United Kingdom
Tel: 0114 285 2987
Fax: 0114 285 2988
Email: info@penninelubes.plus.com

1.4. Emergency telephone number

Emergency tel: 0114 285 2987 (Office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302
Most important adverse effects: Harmful if swallowed.

2.2. Label elements

Label elements:
Hazard statements: H302: Harmful if swallowed.
Signal words: Warning
Hazard pictograms: GHS07: Exclamation mark

Precautionary statements:
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P330: Rinse mouth.
P501: Dispose of to.
SAFETY DATA SHEET
WATER GLYCOL FLUID C

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHYLENE GLYCOL

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>PBT / WEL</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-473-3</td>
<td>107-21-1</td>
<td>-</td>
<td>Acute Tox. 4: H302</td>
<td>50-70%</td>
</tr>
</tbody>
</table>

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Ingestion: Central nervous system depression. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Headaches or general malaise may result.
Inhalation: Absorption through the lungs can occur causing symptoms similar to those of ingestion.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Product is non combustible.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.
5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Spillages may be slippery. Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHYLENE GLYCOL

<table>
<thead>
<tr>
<th>Workplace exposure limits</th>
<th>Respirable dust</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>State</td>
<td>8 hour TWA</td>
</tr>
<tr>
<td>UK</td>
<td>52 mg/m3 (vapour)</td>
</tr>
</tbody>
</table>

DNEL/PNEC Values

DNEL / PNEC No data available.
8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Nitrile gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **State:** Liquid
- **Colour:** Pink
- **Odour:** Characteristic odour
- **Evaporation rate:** Slow
- **Solubility in water:** Soluble
- **Viscosity:** Viscous
- **Kinematic viscosity:** 46
- **Viscosity test method:** Kinematic Viscosity at 40°C (cSt)
- **Boiling point/range°C:** >100
- **Flash point°C:** >100
- **Relative density:** 1.08
- **pH:** 9.5

9.2. Other information

**Other information:** No data available.

Section 10: Stability and reactivity

10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

**Conditions to avoid:** Heat.

10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.
Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

**ETHYLENE GLYCOL**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IVN</td>
<td>RAT</td>
<td>LD50</td>
<td>3260</td>
</tr>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>LD50</td>
<td>5500</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>LD50</td>
<td>4700</td>
</tr>
</tbody>
</table>

Relevant hazards for substance:

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (ac. tox. 4)</td>
<td>ING</td>
<td>Hazardous: calculated</td>
</tr>
</tbody>
</table>

Symptoms / routes of exposure

- **Skin contact:** There may be mild irritation at the site of contact.
- **Eye contact:** There may be irritation and redness.
- **Ingestion:** Central nervous system depression. There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting. Headaches or general malaise may result.
- **Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

Section 12: Ecological information

12.1. Toxicity

**Ecotoxicity values:** No data available.

12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

[cont...]
Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 13 01 13

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.