

# SAFETY DATA SHEET

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PRINT DATE: 11/06/1998

REF: AGC400

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product name:** COPPER ANTISEIZE FLUID  
**Product code:** AGC400  
**Supplier:** ELECTROLUBE  
H.K. Wentworth Ltd.,  
Wentworth House, Blakes Road,  
Wargrave, Berkshire, RG10 8AW, United Kingdom.  
**Emergency telephone number:** 0118 9404031 **Fax No:** 0118 9403084

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Identification of the preparation

Chemical Name	CAS-No	EC-No	Class	Weight %
BUTANE	106-97-8	203-448-7	F+; R12	25 - 50
HEPTANE	142-82-5	205-563-8	F; R11	10 - 25
NON HAZARDOUS CONSTITUENTS				> 25

## 3. HAZARDS IDENTIFICATION

**Most important hazards:** Extremely flammable  
**Specific hazards** May cause irritation of respiratory tract. May cause slight eye/skin irritation. Solvents may degrease the skin. High concentration of vapours may induce unconsciousness / narcosis.

## 4. FIRST AID MEASURES

**General advice:** Use only in well-ventilated areas.  
**Inhalation:** Move to fresh air. Consult a physician after significant exposure.  
**Skin contact:** In the case of skin irritation or allergic reactions see a physician.  
**Eye contact:** Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.  
**Ingestion:** Immediately give large quantities of water to drink. Consult a physician if necessary.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Extinguish with dry chemical or foam.  
**Extinguishing media which must not be used for safety reasons:** Do not use a solid water stream as it may scatter and spread fire.  
**Specific hazards:** Cool containers / tanks with spray water.  
**Special protective equipment for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Remove all sources of ignition. Use personal protective equipment.  
**Environmental precautions:** Do not flush into surface water or sanitary sewer system.  
**Methods for cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste.

**7. HANDLING AND STORAGE**

- Handling:** Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Do not breath vapours or spray mist. Do not smoke.
- Storage:** Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Chemical Name:** BUTANE  
HEPTANE  
NON HAZARDOUS CONSTITUENTS
- National occupational exposure limits:**  
**HSC(EH40)**  
Long term (8 hrs) = 600ppm / 1450mgm<sup>-3</sup>  
Short term (15 min) = 750ppm / 1810mgm<sup>-3</sup>

- Engineering measures:** Ensure adequate ventilation, especially in confined areas.
- Personal protection equipment:**
- **Respiratory protection:** not required under normal use.
  - **Hand protection:** solvent-resistant gloves.
  - **Eye protection:** safety glasses
  - **Skin and body protection:** not required under normal use
- Hygiene measures:** When using, do not eat, drink or smoke.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form:** liquid
- Colour:** copper
- Odour:** solvent
- Boiling point/range:** 94 °C
- Flash point:** < 0 °C
- Autoignition temperature:** > 220 °C
- Explosion limits:**
- |         |     |        |
|---------|-----|--------|
| - lower | 1.9 | vol. % |
| - upper | 9.5 | vol. % |
- Relative density:** ( 20 °C) >= 0.8
- Solubility:**
- |                         |           |       |
|-------------------------|-----------|-------|
| <b>Water solubility</b> | insoluble | (g/l) |
|-------------------------|-----------|-------|

**10. STABILITY AND REACTIVITY**

- Stability:** No decomposition if stored and applied as directed.
- Conditions to avoid:** Do not expose to temperatures above 50°C. Keep away from open flames / hot surfaces. Keep away from sources of ignition.
- Materials to avoid:** Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions
- Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapours.

**11. TOXICOLOGICAL INFORMATION**

- Acute toxicity:** No data is available on the product itself
- Local effects:** May cause skin irritation in susceptible persons. May cause sensitisation by skin contact. May cause irreversible eye damage.
- Sensitization:** Not applicable
- Long term toxicity:** No data is available on the product itself

**Chronic toxicity:**

Inhalation of vapours in high concentration may cause irritation of respiratory system / narcosis. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

**12. ECOLOGICAL INFORMATION****Mobility:**

Completely miscible with water.

**Persistence and degradability:**

Readily biodegradable, according to appropriate OECD test.

**Bioaccumulation:**

None.

**Ecotoxicity effects:**

LC50/96h/fathead minnows = 9600 mg/l

**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products:**

In accordance with local and national regulations.

**Contaminated packaging:**

Do not pierce or burn even when empty

**14. TRANSPORT INFORMATION**

**UN-No:** 1950

**ADR/RID****Class:**

2

**Item:**

5° F

**HI/UN No:**

1950

**Proper shipping name:**

Aerosol dispensers

**IMO****Class:**

2.1

**IMDG Page:**

2102

**EmS:**

2-13

**MFAG:**

620

**Proper shipping name:**

Aerosol dispensers

**ICAO****Class:**

2.1

**UN/ID No:**

1950

**Proper shipping name**

Aerosols, 30

**15. REGULATORY INFORMATION**

**Classification according to European directive on classification of hazardous preparations 90/492/EEC**

**- Contains:**

Butane

**- Symbol(s):**

F+ -

Extremely  
flammable

**R-phrases(s):**

R12 - Extremely flammable.

**S-phrases(s):**

S9 - Keep container in a well-ventilated place.. S16 - Keep away from sources of ignition - No smoking..

**16. OTHER INFORMATION****Recommended use:****Recommended restrictions:****Revision number:**

1

**Further information:**

CN NO: 34039990

Contact Name: Carolyn Booth

Department: Technical

Product name: **COPPER ANTISEIZE FLUID**

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