

# SAFETY DATA SHEET

## COPPER ANTISIEZE FLUID

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

**PRODUCT NAME:** COPPER ANTISIEZE FLUID

**PART No.:** EAGC400

**SUPPLIER:** H K WENTWORTH PTY LIMITED  
P.O. BOX 339  
BROOKVALE, NSW 2100  
AUSTRALIA  
Tel: 02 9938 1566  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: PROPANE 74-98-6	200-827-9	Fx R-12	5-10 %
BUTANE 106-97-8	203-448-7	Fx R-12	60-100 %
white spirit 64742-49-0	265-151-9	Xn R-38, 51/53, 65	10-30 %

The Full Text for all R-Phrases are Displayed in Section 16

### 3. HAZARDS IDENTIFICATION:

Extremely flammable. Irritating to skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HAZARDOUS SUBSTANCE: DANGEROUS GOODS

### 4. FIRST AID MEASURES:

**INHALATION:** Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION:** Rinse mouth thoroughly. Provide rest, warmth and fresh air.

**SKIN:** Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**EYES:** 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.

### 5. FIRE FIGHTING MEASURES:

**EXTINGUISHING MEDIA:** Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**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.

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

Aerosol cans may explode in fires.

**6. ACCIDENTAL RELEASE MEASURES:****SPILL CLEANUP METHODS:**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

**7. HANDLING AND STORAGE:****USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact.

**STORAGE PRECAUTIONS:**

Aerosol cans: Must not be exposed for direct sunlight or temperatures above 50°C.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:****INGREDIENT NAME:**

PROPANE  
BUTANE

**CAS No.:**

74-98-6  
106-97-8

**STD**

OES

**LT EXP 8 Hrs**

Asphyxiating  
600 ppm

**ST EXP 15 Min**

Asphyxiating  
750 ppm

**INGREDIENT COMMENTS:**

OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

**PROTECTIVE EQUIPMENT:****VENTILATION:**

All handling to take place in well ventilated area.

**RESPIRATORS:**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

**PROTECTIVE GLOVES:**

Use protective gloves.

**EYE PROTECTION:**

Use eye protection.

**OTHER PROTECTION:**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENIC WORK PRACTICES:**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. No eating or drinking while working with this material.

**9. PHYSICAL AND CHEMICAL PROPERTIES:****APPEARANCE:**

Aerosol. Liquid.

**COLOUR:**

Brown.

**ODOUR/TASTE:**

Solvent.

**BOILING POINT (°C, interval):**

94

**Pressure:****MELT./FREEZ. POINT (°C, interval):**

<0

**VOLATILITY DESCRIPTION:**

Volatile.

**SOLUBILITY DESCRIPTION:**

Insoluble in water.

<b>FLASH POINT (°C):</b>	<0	<b>Method:</b>	CC (Closed cup).
<b>AUTO IGNITION TEMP. (°C):</b>	>220		
<b>FLAMMABILITY LIMIT - LOWER(%):</b>	1.9		
<b>FLAMMABILITY LIMIT - UPPER(%):</b>	9.5		

## 10. STABILITY AND REACTIVITY:

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

## 11. TOXICOLOGICAL INFORMATION:

<b>INHALATION:</b>	High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system.
<b>SKIN:</b>	Irritating to skin. May cause allergic contact eczema. Product has a defatting effect on skin. Prolonged or repeated contact leads to drying of skin.
<b>EYES:</b>	Irritating to eyes.
<b>OTHER HEALTH EFFECTS:</b>	This substance has no evidence of carcinogenic properties.
<b>ROUTE OF ENTRY:</b>	Inhalation.

## 12. ECOLOGICAL INFORMATION:

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment if discharged into watercourses.
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## 13. DISPOSAL CONSIDERATIONS:

<b>DISPOSAL METHODS:</b>	Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.
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## 14. TRANSPORT INFORMATION:

**LABEL FOR CONVEYANCE:**

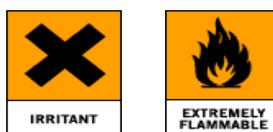


<b>UN No. ROAD:</b>	1950
<b>UK ROAD TRANSPORT CLASS:</b>	2.2
<b>UK ROAD PACK GR.:</b>	Not Applicable

<b>ADR CLASS No.:</b>	2.2
<b>ADR CLASS:</b>	Division 2.2: Nonflammable, nontoxic gases.
<b>ADR ITEM No.:</b>	Not Applicable
<b>ADR MARGINAL:</b>	2201
<b>ADR LABEL No.:</b>	2.2
<b>HAZCHEM CODE:</b>	N/A
<b>CEFIC TEC(R) No.:</b>	20G5A,20G5O
<b>PROPER SHIPPING NAME I:</b>	AEROSOLS
<b>RID CLASS No.:</b>	2.2
<b>RID ITEM No.:</b>	Not Applicable
<b>UN No. SEA:</b>	1950
<b>IMDG CLASS:</b>	2.2
<b>IMDG PACK GR.:</b>	Not Applicable
<b>EmS No.:</b>	F-D; S-U
<b>MFAG TABLE No.:</b>	See Guide
<b>MARINE POLLUTANT:</b>	No.
<b>UN No., AIR:</b>	1950
<b>ICAO CLASS:</b>	2.2
<b>AIR SUB CLASS:</b>	N/A
<b>AIR PACK GR.:</b>	Not Applicable

## 15. REGULATORY INFORMATION:

### LABEL FOR SUPPLY:



<b>RISK PHRASES:</b>	R-12 Extremely flammable. R-38 Irritating to skin. R-52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>SAFETY PHRASES:</b>	S-16 Keep away from sources of ignition - No Smoking. S-23 Do not breathe gas/fumes/vapour/spray. S-24 Avoid contact with skin. S-51 Use only in well ventilated areas. S-9 Keep container in a well ventilated place. SPECIAL PROVISIONS ON THE LABELLING OF AEROSOL DISPENSERS. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.
<b>UK REGULATORY REFERENCES:</b>	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972.
<b>ENVIRONMENTAL LISTING:</b>	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

<b>EU DIRECTIVES:</b>	System of specific information relating to Dangerous Preparations. 91\155.
<b>APPROVED CODE OF PRACTICE:</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION:

<b>REVISION COMMENTS:</b>	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
<b>ISSUED BY:</b>	Helen O'Reilly
<b>REVISION DATE:</b>	MAY 2003
<b>REV. No./REPL. SDS GENERATED:</b>	0
<b>SDS No.:</b>	10804
<b>DISCLAIMER:</b>	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 unless specified in the text. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification
<b>R-PHRASES (Full Text):</b>	R-38 Irritating to skin. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-12 Extremely flammable.