

SAFETY DATA SHEET

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Revision Date: 07/06/2000

REF.: VID100

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

Product name: CFC FREE TAPE HEAD CLEANER
Product code: VID100
Supplier: ELECTROLUBE
H.K. Wentworth Ltd.,
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No.	EC-No.	Class	Weight %
~PENTANE~	109-66-0	203-692-4	F+; R12, R65, R66, R67	> 80
~PROPAN-2-OL	67-63-0	200-661-7	F; R11 Xi; R36 R67	< 15
CARBON DIOXIDE	124-38-9			< 5

3. HAZARDS IDENTIFICATION

Most important hazards: Extremely flammable.
Specific hazards: Prolonged skin contact may defat the skin and produce dermatitis. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4. FIRST AID MEASURES

General advice: Remove from exposure, lie down.
Inhalation: Move to fresh air. Consult a physician after significant exposure.
Skin contact: Wash off immediately with soap and plenty of water. Treatment : skin cream.
Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Consult a physician for severe cases.
Ingestion: Immediately give large quantities of water to drink. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Extinguish with dry chemical or foam, carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons: Do not use water jet.
Specific hazards: Fire or intense heat may cause violent rupture of packages. Water mist may be used to cool closed containers.
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Remove all sources of ignition.
Environmental precautions:	Do not contaminate surface water.
Methods for cleaning up:	Soak up with inert absorbent material. Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Handling:	Use only in well-ventilated areas. Do not breathe vapours or spray mist. When using, do not eat, drink or smoke.
Storage:	Store in a cool and shaded area. Ensure adequate ventilation. Keep away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:	National occupational exposure limits: HSC(EH40)
~PENTANE~	Long term (8 hrs) = 600ppm / 1800mgm ³ Short term (15 min) = 750ppm / 2250mgm ³
~PROPAN-2-OL	Long term (8 hrs) = 400ppm / 999mgm ⁻³ Short term (15 min) = 500ppm / 1250mgm ⁻³
CARBON DIOXIDE	Long term (8 hrs) = 5000ppm/9000mgm ⁻³ Short term (15 min) = 15000ppm/27000mgm ⁻³

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

- **Respiratory protection:** not required under normal use.
- **Hand protection:** solvent-resistant gloves (butylrubber)
- **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	DATA FOR PENTANE	
Colour:	colourless		
Odour:	alcoholic		
Boiling point/range:		36	°C
Melting point/range:		<- 130	°C
Flash point:		- 48	°C
Autoignition temperature:		309	°C
Explosion limits:	- lower	1.4	vol. %
	- upper	7.8	vol. %
Vapour pressure:	(19 °C)	533.2	hPa
Relative density:	(20 °C)	>= 0.63	
Solubility:			
Water solubility	(20 °C)	immiscible	g/l)

10. STABILITY AND REACTIVITY

Stability:	Stable. Vapour/air-mixtures are explosive at intense warming.
Conditions to avoid:	Do not spray on a naked flame or any other incandescent material
Materials to avoid:	oxidising agents
Hazardous decomposition products:	none under normal use

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	IPA: LD50/oral/rat = 5.05g/kg Pentane: Concentrations substantially above the OEL value may cause narcotic effects. (120,000ppm <1hr) Prolonged exposure (>130,000ppm) - fatality
Local effects:	May cause skin irritation in susceptible persons.
Sensitisation:	Not applicable
Long term toxicity:	Liver injury may occur.
Chronic toxicity:	Effects of excessive exposures may include liver toxicity

12. ECOLOGICAL INFORMATION

Mobility:	No data is available on the product itself.
Persistence and degradability:	Readily biodegradable, according to appropriate OECD test.
Bioaccumulation:	Not applicable
Ecotoxicity effects:	No data is available on the product itself.

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	IMDG Page:	2102
EmS:	2-13	MFAG:	620

Proper shipping name: Aerosol dispensers

ICAO

Class:	2.1	UN/ID No.:	1950
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Proper shipping name: Aerosols, flammable, n.o.s

15. REGULATORY INFORMATION

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

- Contains:
- Symbol(s):

F+ -
Extremely
flammable

R-phrases: R12 - Extremely flammable. R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.

S-phrases: S 3 - Keep in a cool place. S 9 - Keep container in a well-ventilated place. S16 - Keep away from sources of ignition - No smoking. S33 - Take precautionary measures against static discharges.

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16. OTHER INFORMATION

Revision number: 3
Further information: CN no: 38140090
Contact Name: Carolyn Booth
Department: Technical

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