

# SAFETY DATA SHEET

## FLUXCLENE CLEANING SOLVENT (Combi)

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

**PRODUCT NAME:** FLUXCLENE CLEANING SOLVENT (Combi)

**PART No.:** EFLU400DB

**SUPPLIER:** H K WENTWORTH PTY LIMITED  
P.O. BOX 339  
BROOKVALE, NSW 2100  
AUSTRALIA  
Tel: 02 9938 1566  
Fax: 02 9938 1566

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
1-METHOXY-2-PROPANOL 107-98-2	203-539-1	- R-10	10-30 %
CYCLOHEXANE 110-82-7	203-806-2	Xn ,F ,N R-11, 38, 50/53, 65, 67	10-30 %
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))		Xn ,F ,N R-11, 38, 51/53, 65, 67	5-10 %
n-HEPTANE 142-82-5	205-562-2	Xn ,F ,N R-11, 38, 50/53, 65, 67	1-5 %
n-HEXANE 110-54-3	203-777-6	Xn ,F ,N R-11, 38, 48/20, 51/53, 62, 65, 67 Rep3	1-5 %
d-LIMONENE 5989-27-5	227-813-5	Xi ,N R-10, 38, 43, 50/53	1-5 %
1,1,DIFLUOROETHANE R152A 75-37-6	200-866-1	Fx R-12	1-5 %
PROPAN-2-OL 67-63-0	200-661-7	Xi ,F R-11, 36, 67	10-30 %

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

### 3. HAZARDS IDENTIFICATION:

Highly flammable. Irritating to skin. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

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. Get medical attention.
<b>INGESTION:</b>	Not relevant.
<b>SKIN:</b>	Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
<b>EYES:</b>	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:

<b>EXTINGUISHING MEDIA:</b>	Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Move container from fire area if it can be done without risk.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Aerosol cans may explode in fires.

## 6. ACCIDENTAL RELEASE MEASURES:

<b>SPILL CLEANUP METHODS:</b>	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:

<b>USAGE PRECAUTIONS:</b>	Avoid spilling, skin and eye contact. Provide good ventilation.
<b>STORAGE PRECAUTIONS:</b>	Store at moderate temperatures in dry, well ventilated area.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

<b>INGREDIENT NAME:</b>	<b>CAS No.:</b>	<b>STD</b>	<b>LT EXP 8 Hrs</b>	<b>ST EXP 15 Min</b>
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
1-METHOXY-2-PROPANOL	107-98-2	OES	100 ppm(Sk)	150 ppm(Sk)
CYCLOHEXANE	110-82-7	OES	100 ppm	300 ppm
n-HEPTANE	142-82-5	OES	500 ppm	
n-HEXANE	110-54-3	OES	20 ppm	No std.

### PROTECTIVE EQUIPMENT:



<b>OTHER PROTECTION:</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>HYGIENIC WORK PRACTICES:</b>	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material. <b>DO NOT SMOKE IN WORK AREA!</b>

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	Aerosol. Liquid.
--------------------	------------------

<b>COLOUR:</b>	Colourless.		
<b>ODOUR/TASTE:</b>	Characteristic. Lemon.		
<b>BOILING POINT (°C, interval):</b>	>80	<b>Pressure:</b>	
<b>MELT./FREEZ. POINT (°C, interval):</b>	<-29		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	0.780	<b>Temperature (°C):</b>	20
<b>VAPOUR PRESSURE:</b>	11.52 kPa	<b>Temperature (°C):</b>	20
<b>VOLATILITY DESCRIPTION:</b>	Volatile.		
<b>SOLUBILITY DESCRIPTION:</b>	Insoluble in water.		
<b>FLASH POINT (°C):</b>	0	<b>Method:</b>	CC (Closed cup).
<b>AUTO IGNITION TEMP. (°C):</b>	> 200		
<b>FLAMMABILITY LIMIT - LOWER(%):</b>	0.6		
<b>FLAMMABILITY LIMIT - UPPER(%):</b>	8.3		

## 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 acids and alkalis.

## 11. TOXICOLOGICAL INFORMATION:

<b>INHALATION:</b>	Solvent vapours are hazardous and may cause nausea, sickness and headaches. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
<b>SKIN:</b>	May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation. 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>	Skin and/or eye contact. Inhalation.

## 12. ECOLOGICAL INFORMATION:

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment if discharged into watercourses.
--------------------------------	--

## 13. DISPOSAL CONSIDERATIONS:

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

## 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>CEFIC TEC(R) No.:</b>	20G5A,20G50
<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-E; 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 PACK GR.:</b>	Not Applicable

## 15. REGULATORY INFORMATION:

### LABEL FOR SUPPLY:



<b>RISK PHRASES:</b>	<p>R-11 Highly flammable.</p> <p>R-38 Irritating to skin.</p> <p>R-43 May cause sensitisation by skin contact.</p> <p>R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R-67 Vapours may cause drowsiness and dizziness.</p>
<b>SAFETY PHRASES:</b>	<p>S-16 Keep away from sources of ignition - No Smoking.</p> <p>S-23 Do not breathe gas/fumes/vapour/spray.</p> <p>S-24 Avoid contact with skin.</p> <p>S-51 Use only in well ventilated areas.</p>

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 out of the reach of children.

<b>UK REGULATORY REFERENCES:</b>	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Chemicals (Hazard Information & Packaging) Regulations 1993.
<b>ENVIRONMENTAL LISTING:</b>	Rivers (Prevention of Pollution) Act 1961. Control of Pollution Act 1974.
<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. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION:

<b>USER NOTES:</b>	CN No 38140090
<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>	NOVEMBER 2003
<b>REV. No./REPL. SDS GENERATED:</b>	1
<b>SDS No.:</b>	10368
<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-11 Highly flammable. R-36 Irritating to eyes. R-67 Vapours may cause drowsiness and dizziness. R-10 Flammable. R-38 Irritating to skin. R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R-62 Possible risk of impaired fertility. R-43 May cause sensitisation by skin contact. R-12 Extremely flammable.