

SAFETY DATA SHEET

FLUXCLENE

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

PRODUCT NAME: FLUXCLENE

PART No.: EFLU-BULK

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	EINECS Nr.:	CLASSIFICATION	CONTENT
CYCLOHEXANE			30-60 %
110-82-7	203-806-2	Xn ,F ,N R-11, 38, 50/53, 65, 67	
1-METHOXY-2-PROPANOL			10-30 %
107-98-2	203-539-1	- R-10	
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))			5-10 %
		Xn ,F ,N R-11, 38, 51/53, 65, 67	
n-HEPTANE			1-5 %
142-82-5	205-562-2	Xn ,F ,N R-11, 38, 50/53, 65, 67	
n-HEXANE			1-5 %
110-54-3	203-777-6	Xn ,F ,N R-11, 38, 48/20, 51/53, 62, 65, 67 Rep3	
d-LIMONENE			1-5 %
5989-27-5	227-813-5	Xi ,N R-10, 38, 43, 50/53	
PROPAN-2-OL			10-30 %
67-63-0	200-661-7	Xi ,F R-11, 36, 67	

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

3. HAZARDS IDENTIFICATION:

Highly flammable. Irritating to eyes and skin. May cause sensitisation by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. 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.

INGESTION:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!
SKIN:	Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
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. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES:	Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Absorb in vermiculite, dry sand or earth and place into containers.
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7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.
STORAGE PRECAUTIONS:	Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
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.
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	Respiratory protection must be used if air concentration exceeds acceptable level.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
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. Wash promptly with soap & water if skin becomes contaminated. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Liquid. Clear.		
COLOUR:	Colourless.		
ODOUR/TASTE:	Organic solvents.		
BOILING POINT (°C, interval):	>80	Pressure:	
DENSITY/SPECIFIC GRAVITY (g/ml):	0.78	Temperature (°C):	20
SOLUBILITY DESCRIPTION:	Insoluble in water. Soluble in: Acetone. Miscible with: Alcohol. Chloroform. Ether.		
FLASH POINT (°C):	0	Method:	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	>200		
FLAMMABILITY LIMIT - LOWER(%):	0.7		
FLAMMABILITY LIMIT - UPPER(%):	8.3		

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
CONDITIONS TO AVOID:	Avoid heat. Avoid contact with oxidisers or reducing agents.
HAZARDOUS DECOMP. PRODUCTS:	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION:

INHALATION:	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.
INGESTION:	Harmful: may cause lung damage if swallowed.
SKIN:	Irritating to skin. May cause sensitisation by skin contact. Product has a defatting effect on skin. Prolonged or repeated contact leads to drying of skin.
EYES:	Irritating to eyes.
ROUTE OF ENTRY:	Inhalation. Skin absorption.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Dangerous for the environment if discharged into watercourses.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



UN No. ROAD:	1993
UK ROAD TRANSPORT CLASS:	3
UK ROAD PACK GR.:	II
ADR CLASS No.:	3
ADR CLASS:	Class 3: Flammable liquids.
ADR ITEM No.:	II
ADR MARGINAL:	2301
ADR LABEL No.:	3
HAZCHEM CODE:	3YE
CEFIC TEC(R) No.:	30GF1-I+II,30GF1-sp
PROPER SHIPPING NAME I:	FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, PROPAN-2-OL)
RID CLASS No.:	3
RID ITEM No.:	II
UN No. SEA:	1993
IMDG CLASS:	3
IMDG PAGE No.:	3230
IMDG PACK GR.:	II
EmS No.:	F-E; S-E
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1993
ICAO CLASS:	3
AIR PACK GR.:	II

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-11 Highly flammable. R-36/38 Irritating to eyes and skin. R-43 May cause sensitisation by skin contact. 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-67 Vapours may cause drowsiness and dizziness.
SAFETY PHRASES:	S-16 Keep away from sources of ignition - No Smoking. S-24/25 Avoid contact with skin and eyes. S-51 Use only in well ventilated areas. S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label. S-9 Keep container in a well ventilated place.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

USER NOTES:	CN No 38140090
REVISION COMMENTS:	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
ISSUED BY:	Helen O'Reilly
REVISION DATE:	MAY 2003
REV. No./REPL. SDS GENERATED:	0
SDS No.:	10362
DISCLAIMER:	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
R-PHRASES (Full Text):	R-10 Flammable. R-11 Highly 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-67 Vapours may cause drowsiness and dizziness. 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-36 Irritating to eyes.