

## Health & Safety Data Sheet - Ecosolve 200

### 1. Identification of the Substance/Preparation and Company

Product Name:- Ecosolve 200

Supplier:- Surclean

Samuel White's Ind Estate, Cowes, IOW, PO31 7LP, UK

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### 2. Composition / Information on Ingredients

<u>Ingredient</u>	<u>%range</u>	<u>Sym/let</u>	<u>Risk phases</u>
Methoxy Propanol	20 - 35	-	R36/R37
Isopropanol	20 - 35	-	R36/R37
Proprietary Hydrocarbon solvent	30 - 40	-	-

### 3. Hazards Identification

HIGHLY FLAMMABLE SOLVENT

May irritate eyes.

Irritating to respiratory system if inhaled; possible narcotic effect if OEL is exceeded.

Irritating to skin; degreasing action leading to possible risk of dermatitis. May be absorbed through skin.

Only minimal toxicity if swallowed.

### 4. First Aid Measures

Inhalation: Move casualty to fresh air and keep at rest.

Skin Contact: Wash off with soap and water. Skin conditioning cream should also be used to prevent any dryness.

Eye Contact: Immediately flush with water for 10 minutes.

Ingestion: Give plenty of water to drink.

Medical Notes: If any adverse systems persist seek immediate medical attention.

### 5. Fire-Fighting Measures

Suitable

Extinguishing Media: Foam, dry chemicals, CO<sub>2</sub>, water fog.

Do not use: Water in a jet.

Exposure hazards: No known hazardous combustion products. Vapour / air mixture may be explosive.

Protective Measures: Keep fire endangered containers cool with water spray.

## 6. Accidental Release Measures.

Personal precautions: Refer to section 8; Personal Protection

Environmental precautions: Refer to section 13; Disposal

Methods of clearing up: Small spills will evaporate. Mop up large spills with absorbent materials and transfer to suitable disposal container.

## 7. Handling and Storage

Handling: Avoid contact with skin and eyes. In accordance with good hygiene industrial practices, do not eat, drink or smoke when handling this material.

Storage: Keep away from all sources of ignition / static discharge. Store in a well ventilated place out of direct sunlight and below 45 deg, C.

## 8. Exposure Controls / Personal Protection

Engineering Measures: Use only in well ventilated areas. Normal room ventilation should be Sufficient for small quantities.

Personal Protection: Gloves and eye protection are recommended for prolonged or repeated exposure.

## 9. Physical And Chemical Properties

Appearance / Colour:	Colourless liquid.	Flammability:	Highly Flammable
Odour:	Citrus Odour (180-819) Paraffinic odour (180-847/853)		
Flash point °C:	0 (est.)	Density:	0.78
Boiling point °C:> 80		Explosive Limit (% vol)	Lower 0.6 Upper 8.3
Vapour Density:	3.12 (air = 1)	Vapour pressure:	33mmHG @ 20°C
Vapour Pressure:	11.52 kPas.	Solubility in water:	Immiscible in water
Auto Ignition temp°C:	> 200	Volatile Content (v.o.c.)	N.D.
Melting Point °C< - 29			
Explosive / Oxidising	Vapour/Air mixture may be explosive		

## 10. Stability and Reactivity

Stability: Stable. Vapour / air mixture may be explosive.

Conditions to avoid: All sources of ignition.

Materials to avoid: Oxidizing materials.

## 11. Toxicological Information

	Primary Irritation index for hydrocarbon solvent is 1.42 (max 8.0)
LD50 (Oral rat)	5.04 g/kg (Isopropanol): >5.9 g/kg (Methoxy propanol)
LD50 (Dermal rabbit)	16.4 ml/kg (Isopropanol): >10.0 g/kg (Methoxy propanol)

## 12. Ecological Information

### Possible environmental effects and behavior / ODP / aquatic toxicity

Methoxy propanol: BOD / ThOD Index: 58.5%  
Isopropanol: COD:2760 mgO<sub>2</sub>/ ml: BOD: 1070 mgO<sub>2</sub>/ ml

## 13. Disposal Considerations

Safe disposal of product. Its residues and packing materials

Dispose of according to Local Regulations. See also section 7 & 8 for handling precautions and personal protection where applicable.

## 14. Transport Information

Product Trade Name:	Solvent cleaner	Contains:	N.A.
Proper Shipping Name:	Flammable liquid n.o.s.	U.N. Number:	1993
I.A.T.A. Class:	3	Packing Group:	II
I.M.D.G. No.:	3230	I.M.D.G.Class:	3.2
A.D.R./ R.I.D. class:	3	A.D.R./R.I.D. No:	3°(b)

## 15. Regulatory Information

Indication of Danger:	Highly Flammable	Flame symbol
Contains:	N.A.	
Risk Phases:	N.A.	
Safety Phrases:	Keep containers in a well ventilated place. Keep away from all sources of ignition. No Smoking. Avoid contact with skin. Take precautionary measures against static discharges.	

<u>Substance</u>	<u>Occupational Exposure Limits:</u>		<u>Short - Term exposure limit (10 min period)</u>	
	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Methoxy propanol	100	360	300	1080
*Isopropanol	400	980	500	1225
Hydrocarbon Solvent (Sup)	300	--	--	--

\* May be absorbed through the skin. (Sup) = supplier's data

Ref: HSE Guidance notes EH40 / 94

## 16. Other Information

Recommended uses  
And restrictions: Use only as directed

Publications refs: Compiled in accordance with CHIP 2 1994 & 1996,  
1997 Amendment Regulations.  
HSC Approved Codes Of Practice, documents L37

**17. Section Revision and dates**

Section:

Change: Version 1.0

Date: June 2003

Legend: N.A. = Not applicable or Not Available - Est. = Estimated  
N.D. = Not Determined or Not Determinable