



# SAFETY DATA SHEET

## CLEAR

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

**PRODUCT NAME** CLEAR  
**PRODUCT NO.** A096  
**INTERNAL ID** P.147  
**APPLICATION** Neutral, Cleaner for Glass, Mirrors and Stainless Steel  
**SUPPLIER** Evans Vanodine International  
 Brierley Road  
 Walton Summit  
 Preston. PR5 8AH  
 01772 322200  
 01772 626000

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PROPAN-2-OL	200-661-7	67-63-0	10-20%	F;R11 Xi;R36 R67
2-BUTOXYETHANOL	203-905-0	111-76-2	5-10%	Xn;R20/21/22 Xi;R36/38

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

### 3 HAZARDS IDENTIFICATION

Flammable.

**CLASSIFICATION** R10.

### 4 FIRST-AID MEASURES

#### INHALATION

Not relevant. Inhalation unlikely.

#### INGESTION

Drink a few glasses of water or milk. DO NOT INDUCE VOMITING! Get medical attention if any discomfort continues.

#### SKIN CONTACT

Wash skin with soap and water.

#### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use: Foam, carbon dioxide or dry powder.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

May explode in a fire.

#### SPECIFIC HAZARDS

If involved in fire, may emit noxious fumes.

#### PROTECTIVE MEASURES IN FIRE

Keep containers cool by spraying with water to reduce explosion risks. Protective clothing and respiratory protection should be worn when tackling fires involving this product.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Immediately extinguish any sources of ignition. No special protective clothing.

#### ENVIRONMENTAL PRECAUTIONS

Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

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## SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water. Large Spillages Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Eliminate all sources of ignition.

### STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3
2-BUTOXYETHANOL	WEL	25 ppm(Sk)		50 ppm(Sk)	

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### ENGINEERING MEASURES

Not applicable.

### RESPIRATORY EQUIPMENT

None required.

### HAND PROTECTION

For prolonged or repeated skin contact the use of household rubber gloves is advisable.

### EYE PROTECTION

None required.

### OTHER PROTECTION

None required.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Liquid		
<b>COLOUR</b>	Clear Blue		
<b>ODOUR</b>	Faint Odour of alcohol		
<b>SOLUBILITY</b>	Soluble in water		
<b>BOILING POINT (°C)</b>	85	<b>MELTING POINT (°C)</b>	-5
<b>RELATIVE DENSITY</b>	0.980 @ 20 °c	<b>pH-VALUE, CONC. SOLUTION</b>	7.00
<b>FLASH POINT (°C)</b>	35 P/M Pensky-Martens.		

## 10 STABILITY AND REACTIVITY

### STABILITY

No particular stability concerns.

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

### MATERIALS TO AVOID

None.

## 11 TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION

Refer to section 3.

#### Other Health Effects

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

### BIOACCUMULATION

Completely soluble. No bioaccumulation.

### DEGRADABILITY

This product, at use dilutions, is readily broken down in biological effluent treatment plants.

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## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Consign empty container to normal waste.

## 14 TRANSPORT INFORMATION



<b>PROPER SHIPPING NAME</b>	ALCOHOLS, N.O.S. (isopropanol)		
<b>UN NO. ROAD</b>	1987	<b>ADR CLASS</b>	Class 3: Flammable liquids.
<b>ADR PACK GROUP</b>	III	<b>RID CLASS NO.</b>	Class 3: Flammable liquids.
<b>RID PACK GROUP</b>	III	<b>UN NO. SEA</b>	1987
<b>IMDG CLASS</b>	Class 3: Flammable liquids.	<b>IMDG PACK GR.</b>	III
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	1987
<b>ICAO CLASS</b>	Class 3: Flammable liquids.	<b>AIR PACK GR.</b>	III

## 15 REGULATORY INFORMATION

### RISK PHRASES

R10 Flammable.

### SAFETY PHRASES

S2 Keep out of the reach of children  
 S46 If swallowed, seek medical advice immediately and show this container or label.  
 S51 Use only in well-ventilated areas.

### ENVIRONMENTAL LISTING

Hazardous Waste (England and Wales) Regulations.

### EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EEC. As amended by Directive 93/112/EC and 2001/58/EC.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 2005

### APPROVED CODE OF PRACTICE

The compilation of safety Data Sheets L130.

### GUIDANCE NOTES

Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

## 16 OTHER INFORMATION

### INFORMATION SOURCES

Approved Supply List - HSC. Material Safety Data Sheet, Misc. manufacturers.

### REVISION COMMENTS

Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8.

**REVISION DATE** 01/11/05

**REV. NO./REPL. SDS** Issue 2

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### RISK PHRASES IN FULL

R11 Highly flammable.  
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 R36 Irritating to eyes.  
 R36/38 Irritating to eyes and skin.  
 R67 Vapours may cause drowsiness and dizziness.

**CLEAR**