



# SAFETY DATA SHEET

## CLEAR

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

**PRODUCT NAME:** CLEAR

**PART No.:** A096

**IN-HOUSE No.:** P.147

**APPLICATIONS:** Neutral, Cleaner for Glass, Mirrors and Stainless Steel

**SUPPLIER:** Evans Vanodine International  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
PROPAN-2-OL	200-661-7	67-63-0	10-30 %	F, Xi	11, 36, 67
2-BUTOXYETHANOL	203-905-0	111-76-2	5-10 %	Xn	20/21/22, 36/38

The full text for all R-phrases are shown in section 16.

### 3 HAZARDS IDENTIFICATION

Flammable.

### 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:** Wash skin with soap and water.

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

### 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use: Powder, foam or CO<sub>2</sub>.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** May explode in a fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** 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.

# CLEAR

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS DURING SPILL:

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

### PRECAUTIONS TO PROTECT ENVIRONMENT:

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

### SPILL CLEANUP METHODS:

Small quantities may be flushed to drains with plenty of water. Larger spill: 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 AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
2-BUTOXYETHANOL	111-76-2	OES	25 ppm(Sk)	50 ppm(Sk)

### INGREDIENT COMMENTS:

OES = Occupational Exposure Standard.

### VENTILATION:

Not applicable.

### RESPIRATORS:

None required.

### PROTECTIVE GLOVES:

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

APPEARANCE:	Liquid.	COLOUR:	Clear. Blue.
ODOUR/TASTE:	Faint Alcohol.		
SOLUBILITY DESCRIPTION:	Soluble in water.		
BOILING POINT (°C):	85 @ 760mmHg	MELTING POINT (°C):	-5
SPECIFIC GRAVITY (Water=1):	0.980 @ 20 °C	pH-VALUE,CONC:	7.00
FLASH POINT (°C):	35		
FLASH POINT METHOD:	PM 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

### ENVIRONMENTAL HAZARDS:

Not regarded as dangerous for the environment.

### BIO ACCUMULATION:

Completely soluble. No bioaccumulation.

### DEGRADABILITY:

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

## 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.

# CLEAR

## 14 TRANSPORT INFORMATION

### LABEL FOR CONVEYANCE:



### ROAD:

**UN No:** 1987  
**HAZARD CLASS (ADR):** Class 3: Flammable liquids. **ADR PACK GR:** III  
**PROPER SHIPPING NAME I:** ALCOHOLS, N.O.S. (isopropanol)

### RAIL:

**RAIL TRANSPORT CLASS No:** Class 3: Flammable liquids. **RID PACK GR:** III

### SEA:

**UN SEA:** 1987  
**SEA TRANSPORT CLASS No:** Class 3: Flammable liquids. **SEA PACK GR:** III  
**MARINE POLLUTANT:** No.

### AIR:

**UN AIR:** 1987  
**AIR TRANSPORT CLASS No:** Class 3: Flammable liquids. **AIR PACK GR:** III

## 15 REGULATORY INFORMATION

**RISK PHRASES:** R-10 Flammable.

**SAFETY PHRASES:** S-2 Keep out of reach of children.  
S-46 If swallowed seek medical advice immediately and show this container label.  
S-51 Use only in well ventilated areas.

**UK ENVIRONMENTAL LISTINGS:** Control of Pollution (Special Waste) Regulations 1980.  
**EC DIRECTIVES:** System of specific information relating to Dangerous Preparations. 91\155.  
As amended by Directive 93/112/EC and 2001/58/EC.

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations. 2002

**APPROVED CODE OF PRACTICE:** The compilation of safety Data Sheets L130.  
**GUIDANCE NOTES:** Occupational Exposure Limits EH40.  
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:** Revised in accordance with CHIP 2002.  
New SDS system.

**REVISION DATE:** 01/04/03

**REVISION No. /REPLACES SDS ISSUED:** Issue 1

**SDS No.:** A096

**R-PHRASES (Full Text):** R-11 Highly flammable.  
R-36 Irritating to eyes.  
R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R-36/38 Irritating to eyes and skin.  
R-67 Vapours may cause drowsiness and dizziness.