



SAFETY DATA SHEET CLEAR

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

PRODUCT NAME	CLEAR
PRODUCT NO.	A096 EV
INTERNAL ID	P.147
APPLICATION	Neutral, cleaner for Glass, Mirrors and Stainless Steel.
SUPPLIER	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH Tel: 01772 322 200 Fax: 01772 626 000 qclab@evansvanodine.co.uk
EMERGENCY TELEPHONE	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

2 HAZARDS IDENTIFICATION

Flammable.

CLASSIFICATION R10.

3 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

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. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Foam, carbon dioxide or dry powder.

UNUSUAL FIRE & EXPLOSION HAZARDS

May explode in a fire.

SPECIFIC HAZARDS

By heating and fire, harmful vapours/gases may be formed.

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PROTECTIVE MEASURES IN FIRE

Keep containers cool by spraying with water to reduce explosion risks. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Do not smoke, use naked flames or other sources of ignition. No special protective clothing. (See Sec 8)

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water. Large Spillages Pick up with vacuum or absorbent solid, store in closed container for disposal.

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

INGREDIENT COMMENTS

WEL = Workplace Exposure Limit for COSHH assessments in the UK, -----
ST = Short-Term Exposure Limit (15 minute) & LT = Long-Term Exposure Limit (8 hours).

ENGINEERING MEASURES

Not relevant.

RESPIRATORY EQUIPMENT

Respiratory protection not required.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. (Household rubber gloves.)

EYE PROTECTION

None required.

OTHER PROTECTION

None required.

9 PHYSICAL AND CHEMICAL PROPERTIES

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

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MATERIALS TO AVOID

No incompatible groups noted.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Refer to section 2.

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

The product does not contain any substances expected to be bioaccumulating.

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.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME ALCOHOLS, N.O.S. (isopropanol)

ROAD TRANSPORT NOTES Please note : Product in pack size of 5 Litres or less is classed as a "Limited Quantity" for Transport and so will have the white UN1987 Transport hazard diamond (Evans Code:HL1610). Pack size greater than 5 litres will have the red Flammable Liquid UN1987 Transport hazard diamond (Evans Code:HL1380).

UN NO. ROAD	1987	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	RID CLASS NO.	Class 3: Flammable liquids.
RID PACK GROUP	III	UN NO. SEA	1987
IMDG CLASS	Class 3: Flammable liquids.	IMDG PACK GR.	III
MARINE POLLUTANT	No.	UN NO. AIR	1987
AIR CLASS	Class 3: Flammable liquids.	AIR PACK GR.	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.

CLEAR

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. As amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 2008

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 (Health & Safety Commission) Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

Safety Data Sheet was reviewed as previous issue was over 3 years - No changes were required - So re-issued with additions to Section 1 and change of order of sections 2 and 3 so compliant for REACH.

REVISION DATE 05/02/09

REV. NO./REPL. SDS Issue 3

GENERATED

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.