

Clear Visions

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name : Clear Vision
 Product code :

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Glass Cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW

Tel. : 01827 283322
 Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no. : 01827 283322 (Available from 8.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical Hazards	Flam.Liq.3; H226
Human health	Eye Irrit.2; H319; STOT SE3; H336
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Warning Contains: Propan-2-ol
 Pictogram(s):



Hazard Statements:	H226	Flammable liquid and vapour
	H319	Causes serious eye irritation.
	H336	May cause drowsiness or dizziness.

Precautionary Statements:

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+313	If eye irritation persists get medical advice/attention.
P403+235	Store in a well ventilated place. Keep cool.
P510	Dispose of contents/container in accordance with local/national regulations.

2.3 Other hazards: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
Propan-2-ol	67-63-0 200-661-7 01-2119457558-25-xxxx	Flam.Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	30-60%

See Section 16 for the full text of the H-statements noted above.

(1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation).

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed: See eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use Carbon Dioxide, Dry Powder or Foam.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Use absorbent material, sand, earth, vermiculite, etc. and place in a container for disposal; flush spillage site with water.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care. General good housekeeping practices. Do not eat or drink whilst using the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Keep container tightly closed.

7.3 Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Reference
PROPAN-2-OL	999 mg/m ³ /400 ppm	1250 mg/m ³ /500 ppm	EH40/2005

DNEL:

DNEL (workers)	PROPAN-2-OL	Reference
Chronic systemic effects (dermal)	888 mg/kg bw/day	Manufacturer
Chronic systemic effects (inhalation)	500 mg/m ³	Manufacturer

DNEL (consumers)	PROPAN-2-OL	Reference
Chronic systemic effects (dermal)	319 mg/kg/day	Manufacturer
Chronic local effects (inhalation)	89 mg/m ³	Manufacturer

PNEC: No information available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

Hand protection: Protective gloves; check with glove manufacturer for specific advice.

Eye protection: Tightly-fitting safety goggles.

Skin and body protection: Protective overalls.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Blue liquid
Odour	Alcoholic
Odour Threshold	No data available
Flammability	Flammable
Flash point	24°C
Lower explosion limit	2.0%
Upper explosion limit	12.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	Not applicable
Oxidising properties	Non-oxidising
Solubility in water	Soluble
Solubility in other solvents	Not determined
pH	Not applicable
Melting point/range	Not determined
Boiling point/range	Not determined
Relative density	0.89-0.91
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	Hot surfaces. Sources of ignition. Flames.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	Oxides of carbon, acrid smoke, irritating fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
PROPAN-2-OL	>2000 mg/kg (Rat)	No data available.	>2000 mg/kg (Rabbit)

Skin corrosion/irritation:	Not classed as a skin irritant.
Serious eye damage/eye irritation:	Irritating to eyes.
Respiratory or skin sensitisation:	Not classed as a skin sensitiser.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not carcinogenic.
Mutagenicity:	Not mutagenic.
Toxicity for reproduction:	Not expected to impair fertility.
Specific target organ toxicity (STOT):	High levels of vapour may cause drowsiness or dizziness.
Further information	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
PROPAN-2-OL	Daphnia	EC50 48h	>100 mg/l
	Golden ide	LC50 48h	>100 mg/l
	Algae	EC50 72h	>100 mg/l

12.2 Persistence and degradability	Expected to be biodegradable.
12.3 Bioaccumulative potential	Low bioaccumulation potential.
12.4 Mobility in soil	Soluble in water.
12.5 Results of PBT and vPvB assessment	Not considered to be PBT or vPvB.
12.6 Other adverse effects	Not expected to be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.
 Do not dispose of together with household waste. Contact licensed waste disposal company.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.
 Do not burn or use a cutting torch on the empty container.

14. TRANSPORT INFORMATION

14.1 UN number ADR/RID/ADN; IMDG; ICAO 1993

14.2 UN proper shipping name FLAMMABLE LIQUID N.O.S.(PROPAN-2-OL)

14.3 Transport hazard class(es) ADR/RID/ADN Class 3
 ADR/RID/ADN Class Class 3
 ADR Label No. 3.3
 IMDG Class 3
 ICAO Class/Division 3
 ICAO Subsidiary risk 3.3
 Transport labels



14.4 Packing Group ADR/RID/ADN; IMDG; ICAO III

14.5 Environment hazards Marine Pollutant No

14.6 Special precautions for user EMS 3-05

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended and Regulation EU 453/2010.

Tariff number: 34039100

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data/Expert judgement.
Health hazards: Calculation method
Environmental hazards: Calculation method

Full text of H-statements referred to under sections 2 and 3

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 3 and 11).
DNEL: Derived No Effect Level (Section 8).
PNEC: Predicted No Effect Concentration (Section 8).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.