

Crystal Vision

Issued on 15.07.20

Code: CV

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According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product code: Crystal Vision

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

Use: To seal glass and acrylic surfaces

Uses advised against: Do not use for purposes other than those listed.

1.3. Details of the supplier of the safety data sheet

Bainbridge International Limited. Unit 8, Flanders Park, Southampton. Hampshire SO30 2FZ England

1.4. Emergency telephone number

004471795599880

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified

Flam. Liq. 2 – H225

Eye Irrit. 2- H319 STOT SE 3- H336

Environmental Hazards: Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008Pictogram, Signal Word Code(s): **DANGER**

Hazard Statements

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P240 Ground and bond container and receiving equipment

P241 Use explosion proof electrical equipment

P260 Do not breathe vapour/spray

P264 Wash contaminated skin thoroughly after handling

P271 Use only outdoors or in a well ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 If swallowed: Rinse mouth. Do not induce vomiting

P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. Rinse skin with water or shower

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish

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P403+P233 Store in a well ventilated place. Keep container tightly closed

P405 Store locked up

P501 Dispose of contents/container in accordance with national regulations.

Contains: propan-2-ol

Supplementary precautionary statement:

P242 Use non sparking tools

P243 Take action to prevent static discharges

P261 Avoid breathing vapour/spray

P310 Immediately call a poison centre/doctor

P312 Call a poison centre/doctor if you feel unwell

P321 Specific treatment (see medical advice on this label)

P363 Wash contaminated clothing before reuse

P403+P235 Store in a well ventilated place. Keep cool.

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII
No information on other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Mixtures.**

Substance	Conc. %	Classification	Classification	Identification Number		REACH
		Dir 67/548	Reg 1272/08			
Propan-2-ol	60-100%		Flam.Liq 2-H225	CAS	67-63-0	2119457553-25
			Eye Irrit. 2 - H319	EINECS	200-661-7	
Sulphuric acid	<1%		Skin Corr. 1A-H314	CAS	7664-93-9	
			Eye Dam. 1 - H318	EINECS	231-639-5	

4. FIRST AID MEASURES**4.1. Description of first aid measures**Inhalation:

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Direct contact with skin (of the pure product):

Take contaminated clothing immediately off and wash skin with soap and water.

Get medical attention if irritation persists after washing.

Direct contact with eyes

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. If irritation persists seek medical attention.

Ingestion:

Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation: Difficulty in breathing. Headache. Coughing, chest tightness, feeling of chest pressure. Nausea, vomiting.

Ingestions: May cause stomach pain or vomiting.

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: The liquid may be irritating to eyes, respiratory system and skin. Prolonged exposure may cause severe irritation. Causes serious eye irritation..

4.3. Indication of any immediate medical attention and special treatment needed

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No specific recommendations. If in doubt get medical attention promptly.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Advised extinguishing agents:

Extinguish with the following media: water spray. Alcohol-resistant foam. Carbon dioxide or dry powder.

Unsuitable extinguishing media: Water with full jet

5.2. Special hazards arising from the substance or mixture

Fire creates: Carbon monoxide (CO)

5.3. Advice for firefighters

Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to flames with water until well after the fire is out.

Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Wear protective clothing as described in Section 8 of this SDS. Remove all sources of ignition. Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Refer to paragraphs 7, 8 and 13 for more information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Container must be kept tightly closed when not in use. Ensure adequate ventilation of the working area. Keep ignition sources away- do not smoke. Protect against electrostatic charges. Protect from heat. Static electricity and formation of sparks must be prevented.

7.2. Conditions for safe storage, including any incompatibilities

Avoid contact with oxidising agents. Avoid acids. Keep container tightly closed. Avoid direct sunlight. Do not store near heat sources or expose to high temperatures.

Storage class: Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Propan-2-ol

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 Long-term exposure limit (8 hour TWA): WEL 400 ppm 999 mg/m³

 Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³



Sulphuric Acid

 Long-term exposure limit (8 hour TWA): WEL 0.05mg/m³ mist (thoracic fraction)

WEL = Workplace Exposure Limit

8.2. Exposure controls

Individual protection measures:

Eye / face protection:	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: tightly fitting safety goggles.	
Skin protection:	It is recommended that gloves are made of the following material: Nitrile rubber. Impermeable material.	
Other skin and body protection	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Use barrier cream to prevent drying of skin. Eating, drinking and water fountains prohibited in immediate work area.	

Respiratory Protection:

Use specific respiratory protective device in case of insufficient ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	Clear liquid
Odour	Solvent
Odour threshold	Not determined
pH	~1
Melting point/freezing point	Not determined
Initial boiling point and boiling range	
Flash point	~12°
Evaporation rate	Not determined
Flammability (solid, gas)	No
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	
Vapour density	Not determined
Relative density	~0.81
Solubility	Not determined
Water solubility	Soluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined

9.2. Other information

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Content of VOC:

10. STABILITY AND REACTIVITY

10.1. Reactivity

No specific data available from our supplier currently

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

May react with strong oxidising agents and strong acids

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition

10.5. Incompatible materials

Alkalis and Peroxides Strong acids

10.6. Hazardous decomposition products

 Carbon monoxide (CO). Carbon dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

ATE Oral (mg/kg) 47,288.89

(a) General information	This product has low toxicity. Only large quantities are likely to have adverse effects on human health
(b) skin corrosion/irritation	May cause Irritation to skin.
(c) eye damage/irritation	May cause severe eye irritation
(d) Inhalation	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. May cause irritation to the respiratory system.
(e) Ingestion	Small amounts may cause serious damage. May cause stomach pain or vomiting
(f) Acute and chronic health hazards	
(g) Route of entry	Inhalation ingestion. Skin and/or eye contact. Refer to Section 4 of SDS for routes of exposure and corresponding symptoms.
(h) Medical symptoms	Irritation of eyes and mucous membranes. Skin irritation
(i) Medical considerations	Skin disorders and allergies

Toxicological information on ingredients.

Toxicological effects	Propan-2-ol Acute toxicity: Oral DL50:>5840mg/kg (rat) Dermal DL50:> 5000mg/kg (rat) Dermal DL50:> 2000mg/kg (rabbit) Inhalation LC50 (6u)>10000 ppm (rabbit) Inhalation LC50/4 h >20mg/l (rat)
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classified as to its carcinogenicity to humans.
Skin contact	No irritant effect
Eye Contact	Irritating effect. Skin and/or eye contact

12. ECOLOGICAL INFORMATION

Not classified as dangerous to the environment

12.1. Toxicity

Propan-2-ol

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Toxicity

EC50 (48u)>100mg/l (daphnia magna)

EC50 (72u)>100mg/l (Scenedesmus subspicatus)

EC50 (96u)>1000mg/l (Scenedesmus subspicatus) (OECD 201)

LC50 (48u)>100mg/l (Leuciscus idus)

LC50 (96u)>9640mg/l (Pimephales promelas) (OECD 203)

12.2. Persistence and degradability

Propan-2-ol No further relevant information available.

12.3. Bioaccumulative potential

Partition coefficient: No data available.

12.4. Mobility in soil

Propan-2-ol No data available.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Propan-2-ol – water hazard class 1 (German regulation) (Assessment by list): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

The packaging must be empty (drop free when inverted).

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Discharge of small quantities to the sewer with plenty of water may be permitted.

14. TRANSPORT INFORMATION**14.1 UN number**

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN No. (ADN) 1993

14.2 UN proper shipping name

Proper shipping name (ADR/RID) Flammable liquid, N.O.S. contains propan-2-ol

Proper shipping name (IMDG) Flammable liquid, N.O.S. contains propan-2-ol

Proper shipping name (ICAO) Flammable liquid, N.O.S. contains propan-2-ol

Proper shipping name (ADN) Flammable liquid, N.O.S. contains propan-2-ol

14.3 Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels

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14.4 Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Product is not environmentally hazardous

Marine polluting agent : Not

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 2

Emergency action code ·3YE

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

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

National regulations

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU Legislation

Dangerous Preparations Directive 1999/45/EC

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended)

Regulation (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 (as amended)

Guidance

Workplace Exposure Limits EH40

Approved Classification and Labelling Guide (Sixth edition) L131

Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended)

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

16. OTHER INFORMATION

16.1. Other information

General Information: PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw

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materials used in this product and are not necessarily applicable to the finished item.

Description of the hazard statements

H225 Highly flammable liquid and vapour

H314 - causes severe skin burns and eye damage

H318 - causes serious eye damage

H319 – causes serious eye irritation

H336 May cause drowsiness or dizziness