



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade Name: *AGlaze Crystal Vision*

Use of the Substance/Preparation: *Liquid Glass cleaner and Sealant*

Identification of the company: *AGlaze Limited
4 Breckland Business Park, Watton
Norfolk. IP25 6UP*

Emergency telephone number: *01953 884999*

2. HAZARDS IDENTIFICATION

Hazards Description:

F Highly Flammable

Xi Irritant



Information concerning particular hazards for human and the environment:

The product has to be labeled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version.

R 11 Highly Flammable.

R 36 Irritating to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Classification System:

The classification is according to the latest editions of the EU-Lists, and extended by company and literature data.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization

Description:

Preparation of alcohols, inorganic salts, Dimethylpolysiloxane:

Dangerous Components:	CAS No:	CONTENT	SYMBOL	RISK
<i>Propan-2-ol EINECS: 200-661-7</i>	<i>67-63-0</i>	<i>80-100%</i>	<i>Xi, F</i>	<i>R11 R65 R36 R67</i>

Additional information: *Risk Phrases in this section apply to the raw materials, and not necessarily to the finished product.*

For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

General:	<i>Immediately remove any clothing soiled by the product. By continuous complaints consult a physician.</i>
Skin contact:	<i>Remove affected person from source of contamination. Treat affected skin with cotton wool or cellulose. Then wash with water and a mild Cleaning agent.</i>
Eye contact:	<i>Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes or until irritation subsides. Consult a doctor.</i>
Ingestion:	<i>DO NOT INDUCE VOMITING! NEVER MAKE UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Rinse out mouth and then drink plenty of water. Get medical attention.</i>
Inhalation:	<i>Remove the exposed person to fresh air at once. Consult a doctor in case of complaints.</i>

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	<i>CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.</i>
For safety reasons unsuitable extinguishing agents:	<i>Water with full jet.</i>
Special Hazards caused by the substance, its products of combustion or resulting gases:	
	<i>In case of fire, the following can be released: Carbon monoxide (CO) and Carbon dioxide (CO2) Under certain fire conditions, traces of other toxic gases cannot be excluded. Silicon dioxide (SiO2)</i>
Protective Equipment:	<i>Wear self contained respiratory protective device.</i>
Additional Information:	<i>Cool endangered receptacles with water spray. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.</i>

6. ACCIDENTAL RELEASE MEASURES

Person related safety precautions:	<i>Wear protective equipment. Keep unprotected people away. Keep people at a distance and stay on the windward side. Keep away from sources of ignition. Refer to protective measures listed in sections 7 and 8.</i>
Environmental Protection:	<i>Prevent seepage into sewage systems, work pits and cellars. Do not contaminate water sewers/ surface or ground water.</i>
Clean-up procedures:	<i>Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust) Ensure adequate ventilation.</i>

7. HANDLING AND STORAGE

General requirements:	<i>Keep container tightly sealed</i>
Fire – explosion Protection:	<i>No special measures required.</i>
Storage conditions:	<i>Keep in cool, dry, ventilated storage and tightly closed containers. Store away from oxidizing agents. Protect from frost. Recommended storage temperature 5 -30°C.</i>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with limit values that require monitoring in the workplace:

67-63-0 propan-2-ol

WEL Short term value: 1250mg/m³, 500ppm
Long term value: 999 mg/m³, 400ppm

Personal Protective Equipment:

General protective and Hygienic Measures:

DO NOT SMOKE IN WORK AREA!

Wash at the end of each work shift and before eating, smoking and using the toilet.

Keep away from foodstuffs, beverages and feed.

Avoid contact with eyes and skin.

Immediately remove all soiled and contaminated clothing.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self contained respiratory protective device.

Protection of hands:

The glove material has to be impermeable and resistant to the product/substance/preparation.



Use protective gloves

Material of gloves:

Nitrile Rubber NBR

Recommended thickness of material:

≥ 0.4 mm

Penetration time of glove material:

Value for the permeation: Level ≥ 6 (480min)

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Colourless Liquid.
Odour:	Ester-like
Melting point/Range:	Not determined
Boiling Point/Range:	82 °C
Flashpoint(°C):	13 °C
Ignition Temperature:	425 °C
Self-Igniting:	This product is not self-igniting
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosive Limits (Upper):	12.0 Vol %
(Lower):	2.0 Vol %
Density at 20°C:	ca 0.82g/cm ³
Vapour pressure at 20°C:	43 hPa
Solubility/Miscibility in water:	Partly miscible

10. STABILITY AND REACTIVITY

Materials to avoid: May react with strong oxidising agents. Avoid oxidising materials.

Hazardous decomposition products: None, if handled according to order.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

Skin contact: *Due to the product composition slight irritation of the skin cannot be excluded.*

Eye contact: *Irritating effect.*

Sensitization: *No sensitizing effects known.*

Additional Toxicological information:

When sprayed in inadequately ventilated places, the aerosol drops may seriously irritate the respiratory tract. Therefore it is absolutely necessary to strictly observe the instructions of chapter (Para 8).

12. ECOLOGICAL INFORMATION

Information about elimination (persistence and degradability):

Method *OE D 302B*

Analysing method *DOC decrease*

Degree of elimination: *>70%*

Classification: *Readily eliminable from water*

Additional ecological information:

COD-value: *not available*

BOD5-value: *not available*

AOX-indication: *Product does not contain any organic bound Halogens which could lead to AOX-values.*

According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 76/464 EC:

The product does not contain any heavy metals in waste water relevant concentrations.

13. DISPOSAL CONSIDERATIONS

Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system. After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Contaminated packaging

Recommendation:

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Label for conveyance:



ADR/RID class: *3 (F1) Flammable liquids*

Danger code (Kemler): *33*

UN-Number: *1993*

Packaging group: *II*

Hazard label *3*

Description of goods: *1993 Flammable liquid, N.O.S (propan-2-ol)*

Maritime transport IMDG:

UN-Number: *1993*

Packaging group: *II*

Hazard label *3*

EMS Number: *F-E, S-E*

Proper shipping name: *1993 Flammable liquid, N.O.S (propan-2-ol)*

14. TRANSPORT INFORMATION (CONT'D)

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class: 3
UN-Number: 1993
Packaging group: II
Hazard label: 3
Proper shipping name: 1993 Flammable liquid, N.O.S (Isopropanol)

15. REGULATORY INFORMATION

Labelling in accordance to EU guidelines:

This product has been classified and marked in accordance with EU directives/Ordinance on Hazardous Materials.

Code Letter and Hazard designation of product:



F Highly Flammable



Xi Irritant

Risk phrases:

R-11 Highly Flammable.
R-36 Irritating to eyes.
R-67 Vapours may cause drowsiness and dizziness.

Safety Phrases:

S-7/9 Keep container tightly closed in a well ventilated place.
S-16 Keep away from sources of ignition – No smoking.
S-23 Do not breathe vapour.
S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-33 Take precautionary measures against static discharges.

16. OTHER INFORMATION

according to 1907/2006/EC, Article 31.

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.*

The data are based on the current state of our knowledge, and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure to his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information.

Wording of the R-phrases used in section 2/3:

R-11 Highly Flammable.
R-36 Irritating to eyes.
R-67 Vapours may cause drowsiness and dizziness.

REVISION DATE: 18/03/2010