



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade Name	AGlaze Plus Active Sealant
Use of the Substance/Preparation	<i>Liquid Surface protector</i>
Identification of the company-	<i>AGlaze Limited 4 Breckland Business Park, Watton Norfolk. IP25 6UP</i>
Emergency telephone number:	<i>01953 884999</i>

2. HAZARDS IDENTIFICATION

Hazards Description:
Xn Harmful



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 10 Flammable.

R 65 Harmful: may cause lung damage if swallowed.

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:

*Preparations of:
Hydrocarbons*

Dangerous Components:	CAS No:	CONTENT	SYMBOL	RISK
<i>Aliphatic hydrocarbons</i>		<i>80-100%</i>	<i>Xn</i>	<i>R65 -66</i>
<i>(2-methoxymethylethoxy) propanol EINECS: 252-104-2</i>	<i>34590-94-8</i>	<i>1-5%</i>		
<i>Naphtha (petroleum), hydrodesulfurized heavy EINECS: 265-185-4</i>	<i>64742-82-1</i>	<i>1-5%</i>	<i>Xn</i>	<i>R 65</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. Remove contaminated clothing. Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with a mild soap and water. Get medical attention promptly if symptoms occur after washing.</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.</i>
Ingestion:	<i>DO NOT INDUCE VOMITING! NEVER MAKE UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Do not give anything to drink! Get medical attention immediately!</i>
Inhalation:	<i>Move the exposed person to fresh air at once. Consult doctor in case of complaints</i>
Information for Doctor: Hazards:	<i>In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.</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>
Protective equipment:	<i>Self-contained breathing apparatus should be worn.</i>
Special Hazards caused by the substance, its products of combustion or resulting gases:	
<i>In case of fire, the following can be released:</i>	<i>Carbon monoxide (CO) + Carbon dioxide (CO2). Hydrogen fluoride (HF)</i>
<i>Under certain fire conditions, traces of other toxic gases can not be excluded.</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 persons 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>Do not contaminate water sources or sewer.</i>
Clean-up procedures:	<i>Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust) Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation Do not flush with water or aqueous cleansing agents.</i>

7. HANDLING AND STORAGE

Safe handling requirements: *Ensure good ventilation/exhaustion at workplace.*

Fire – explosion Protection: *No special measures required.*

Storage conditions: *Keep in cool, dry, ventilated storage and tightly closed containers.
Avoid heat, flame or strong oxidants.
Ensure adequate ventilation.
Use polyolefine receptacles.
Protect from frost.*

Recommended storage temperature: 5 – 30°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: *No further data; see item 7*

Ingredients with limit values that require monitoring at the workplace:

34590-94-8 (2-methoxymethlethoxy) propanol
WEL Long Term Value: 308 mg/m³, 50 ppm
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Additional Information: *The lists valid during the making were used as basis.*

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.

Do not inhale gases/fumes/aerosols.

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.

Filter A/P2

Protection of hands:

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

Due to missing tests no recommendation to the glove material can be given for the product.

Selection of the glove material on consideration of penetration times, rates of diffusion and the degradation.

Material of the gloves:

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact of a maximum of 15 minutes protective gloves made of the following materials are suitable:



Use Fluorocarbon gloves (Vitron)

Not suitable are gloves made of the following materials:

Butyl rubber, BR

Natural Rubber, NR

Eye protection:



Wear tightly sealed safety goggles

Body protection: *Protective work clothing.*

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	<i>Liquid.</i>
Colour:	<i>Clear, Yellow.</i>
Odour/Taste:	<i>Characteristic.</i>
Boiling point/boiling range:	<i>172 °C – 185 °C</i>
Melting point/Melting range:	<i>< -30 °C</i>
Flashpoint(°C):	<i>44 °C</i>
Ignition Temperature:	<i>354 °C</i>
Self-igniting:	<i>Product is not self igniting</i>
Danger of explosion:	<i>Product is not explosive, however, formulation of explosive air/vapour mixtures are possible.</i>
Explosion limits – Lower	<i>0.7 Vol %</i>
Upper	<i>6.5 Vol %</i>
Vapour pressure at 20°C:	<i>1.1hPa</i>
Density at 20°C:	<i>ca. 0.76 g/cm³</i>
Solubility/miscibility description:	<i>Not miscible or difficult to mix.</i>

10. STABILITY AND REACTIVITY

Thermal decomposition/conditions to be avoided: *No decomposition if used according to specifications.*

Materials to avoid: *Reactions with strong oxidising agents.*

Dangerous reactions: *No hazardous reactions when stored and handled according to prescribed instructions.*

Dangerous decomposition products: *None, if handled according to order.*

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values relevant for classification:

<i>Oral</i>	<i>LD-50</i>	<i>200-2000mg/kg (Rat)</i>
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64741-65-7 Naphtha (petroleum), heavy alkyl ate

<i>Oral</i>	<i>LD-50</i>	<i>> 6000 mg/kg (Rat)</i>
<i>Dermal</i>	<i>LD-50</i>	<i>> 3000 mg/Kg (Rabbit)</i>
<i>Inhalative</i>	<i>LC – 50/4h</i>	<i>> 7.8 mg/l (Rat)</i>

Primary irritant effect:

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

Eye contact: *Due to product composition slight irritation of the eyes cannot be excluded.*

Sensitisation: *No sensitising 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. Tiniest amounts that get into the lung by swallowing or subsequent vomiting may lead to pulmonary oedema or pneumonia.*

12. ECOLOGICAL INFORMATION

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 heavy metals and compounds from the EU guideline NO.

76/464 EC:

The product does not contain 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.

Uncleaned packaging:

Recommendation: *Disposal must be made in accordance with official regulations.*

14. TRANSPORT INFORMATION

Label for conveyance:



Land Transport ADR/RID (Cross-border):

ADR Class No: 3 (F1) Flammable liquids.
 Danger Code (Kemler): 30
 UN Number: 1993
 Packaging group: III
 Hazard Label: 3
 Description of goods: 1993 Flammable liquid, N.O.S. (Titanium (IV) butoxide, polymer, XYLENES)

Maritime Transport IMDG:

UN Number: 1993
 Label: 3
 Packing group: III
 EMS Number: F-E, S-E
 Proper shipping Name: 1993 Flammable liquid, N.O.S. (Titanium (IV) butoxide, polymer, XYLENES)

Air Transport ICAO-TI and IATA-DGR:

UN Number: 1993
 ICAO/IATA Class: 3
 Label: 3
 Packing Group: III
 Proper shipping Name: 1993 Flammable liquid, N.O.S. (Titanium (IV) butoxide, polymer, XYLENES)

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:



Xn Harmful

Hazard-determining components of labelling:

Naphtha (petroleum), heavy alkylate

Risk phrases: *R-10 Flammable.*
R-65 Harmful: may cause lung damage if swallowed.

Safety Phrases: *S-23 Do not breathe gas/fumes/vapour/spray.*
S-36 Wear suitable protective clothing..
S-43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent.
Never use water.
S-60 This material and its container must be disposed of as hazardous waste.
S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.

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:

R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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