

SAFETY DATA SHEET

Issued: 13-09-15

Version number of issued 1.2

Revised 13-09-15

1. NAME OF PRODUCT AND COMPANY

TRADE NAME	2020 RESIN Amber Clear/Blue/Green/Gray
CHEMICAL NAME	Polyurethane Oligomer Mixture
ART. No.	2020 RESIN Amber Clear/Blue/Green/Gray
AREA OF APPLICATION	Glass repairs
COMPANY	Glas-Weld System AB
ADDRESS	Fjärrviksvägen 13
POSTAL ADDRESS	653 50 KARLSTAD
Phone	+46-(0)54-530227
Email	esbjorn@glasweld.se
Web page	www.glasweld.se
ISSUER	David Pettersson Miljökonserterna MHS AB

2. HAZARD IDENTIFICATION

2.1 Classification according to CLP (regulation 1272/2008EC) and KIFS 2005:7

The product is hazardous to health if the form or concentration resulting in compulsory labeling under existing regulatory.

Classification of mixtures under CLP:

Is not assessed as dangerous.

2.2 Labelling of mixtures under CLP

R-PHRASES

R20 HARMFUL BY INHALATION; R36 IRRITATING TO EYES; R37 IRRITATING TO RESPIRATORY SYSTEM; R38 IRRITATING TO SKIN; R43 MAY CAUSE AN ALLERGIC SKIN REACTION;

S-PHRASES

S2 Keep out of the reach of children; S3/7 Keep container tightly closed in a cool place; S20/21 When using do not eat, drink or smoke during handling; S24/25 Avoid contact with skin and eyes; S28 After contact with the eyes flush immediately with plenty of water. In case of irritation consult a doctor; S36/37/39 Wear suitable protective clothing, protective gloves and safety glasses/goggles or face protection

2.3 Other hazards

For the environment other hazards use the product only for its purpose. Skin contact can cause easy and fast transient irritation and or increased sensitivity

Hazard symbol: CONTENTS:

Polyurethane Oligomer Mixture



IRRITATION

SAFETY DATA SHEET

Issued: 13-09-15

Version number of issued 1.2

Revised 13-09-15

3. COMPOSITION/INFORMATION ON THE COMPONENTS

CAS No.	Name:	Conc. WT%	Classification
5888-33-5	Acrylate with high boiling point	50 - 60	R 43
Proprietary	Methacrylate with high boiling point	15 - 25	-
947-19-3	Photo initiator	1-4	Xn; R39, 43, 48
Proprietary	Polyurethane Oligomer	10 - 20	-
79-10-7	Acrylic acid	5 - 10	C; Xn; N; R10, 20/21/22, 35, 50;

4. FIRST AID MEASURES

INHALATION

Avoid inhaling vapours. Keep container closed when not in use. In the event of exposure to strong concentrations of vapour or mist, remove the person concerned to fresh air. If breathing stops, administer artificial respiration and seek medical attention.

SKIN CONTACT

Remove contaminated clothing and wash affected skin with soap and water for 15 minutes. Particular attention should be given to hair, nose, ears and other body parts that may be difficult to clean. Avoid contact with skin and eyes. Wash the skin thoroughly with soap and water after handling. Solvents should not be used to clean the affected skin because of the increased penetration potential.

Information for doctor: effects may occur with a delay of 24 to 48 hours.

CONTACT WITH EYES

Immediately flush with water for at least 15 minutes and consult a doctor if irritation persists.

INGESTION

If significant quantities have been ingested, seek medical attention.

5. FIRE FIGHTING MEASURES

PUBLIC ACTIONS IN EVENT OF FIRE OR THREATENING FIRE

Lammas emergency services Tel 112. Save the first persons in danger.

EXTINGUISHING MEDIA

Use carbon dioxide or powder extinguisher for small fires, water-based foam or water for large fires.

FIRE AND EXPLOSION RISKS

High temperatures and naked flame can cause rapid and uncontrolled polymerisation, which in turn can result in explosions and blasting of storage containers or tanks. Avoid extinguishing fires with water since foaming can occur.

OTHER INSTRUCTIONS

Remove all fire sources. Use a respirator with independent air supply and complete personal protective equipment in enclosed areas where there is a risk of exposure to vapours or combustion products.

SAFETY DATA SHEET

Issued: 13-09-15

Version number of issued 1.2

Revised 13-09-15

6. SPILL/ACCIDENTAL RELEASE MEASURES

Flush the area with water. Contain larger quantities by using inert absorbent material. Do not allow washwater to enter sewage system.

Check whether spills should be reported to emergency services (Tel: 112).

7. HANDLING AND STORAGE

HANDLING

Keep containers tightly closed.

HANDLING REGULATIONS

No smoking, flames or sparks. Follow user instructions

STORAGE

Keep out of the reach of children. Store in cool, dry place and in sealed container. Smoking is forbidden.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION MEASURES

PREVENTATIVE MEASURES

No smoking, flames, sparks or welding. Make sure the ventilation is good. Use local exhaust ventilation.

EYE PROTECTION

Eye protection should be used if there is a risk of direct contact or splash

HAND PROTECTION

Protective gloves made of neoprene. A combination of cream with barrier properties and protective gloves is recommended. Do not apply cream after exposure.

SKIN PROTECTION

In work where contact can occur, wear face protection, impermeable full body protection and safety boots. Eyewash should be close by. For routine laboratory operations an impermeable apron and gloves are recommended.

RESPIRATORY PROTECTION

Mechanical exhaust ventilation air must be provided.

During normal use, requires no half mask or full face mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Product type	Viscous liquid
Colour	Transparent, slightly coloured
Odour	Characteristic acrylate odour
Solubility	Insoluble in water
pH	4.0

SAFETY DATA SHEET

Issued: 13-09-15

Version number of issued 1.2

Revised 13-09-15

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific weight	1.03
Vapour pressure	6 mm Hg at 20°C
Flash point	>200 °F (PMCC)
Boiling point	The preparation consists of acrylates with high boiling point.

10. STABILITY AND REACTIVITY

Stability	Unstable
Hazardous polymerisation	May occur
Conditions that should be avoided	Storage in temperatures exceeding 100° F (37°C) Exposure to light
Materials that should be avoided	Polymerisation catalysts, including peroxides, strong oxidising substances, copper, copper alloys, carbon steel, iron, rust and strong alkaline substances.
Hazardous decomposition products	Vapours produced when heated to decomposition may contain: carbon monoxide, carbon dioxide, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Ingestion	No specific information available. Contains material which may be slightly toxic.
Inhalation	No specific information available. Low volatility means that inhalation of vapours is unlikely. Aerosols may cause irritation.
Skin absorption	No specific information available. Contains substances that may be slightly toxic.
Skin contact	Largely non-irritating, but skin contact may cause mild and rapid temporary irritation and/or increased sensitivity. Prolonged contact may cause blisters (burn-marks). Since irritation does not occur immediately skin contact may escape detection.
Eye contact	May cause eye damage that can last for several days.

12. ECOTOXICOLOGICAL INFORMATION

ECOTOXICOLOGICAL DATA

Dispersal in the environment	Not regarded as harmful to the environment
Other information	Under the guidelines for preparation and compound products the product was classified using the calculation method

SAFETY DATA SHEET

Issued: 13-09-15

Version number of issued 1.2

Revised 13-09-15

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS

Collect spills, residual products and contaminated absorption material in containers with contents declared and dispose of in accordance with national and international regulations.

Destroy in accordance with local regulations

14. TRANSPORT INFORMATION

The product is not classed as hazardous goods under international regulations in ADR,IMDG and ICAO-IT, IATA-DGR

15. APPLICABLE REGULATIONS

NATIONAL REGULATIONS:

Chemical Inspectorate's regulations: Regulation (KIFS 2005: 7 consolidated even KIFS 2010: 5) the classification of chemical products

Working Environment Authority's statute book (AFS 2011: 18) the exposure limit values and measures against air contaminants

Working Environment Authority's statute book (AFS 2011: 19)

Waste Chemical risks related to occupational safety and Health Ordinance (SFS 2011: 927)

ADR-regulations on the transport of dangerous goods by road and in terrain (MSBFS 2011: 1)

16. OTHER INFORMATION

INFORMATION SOURCES:

The supplier's declaration on material composition/consumption and classification

This product may cause damage by improper use. Not responsible for damage resulting from use other than that for which the product is intended.

CONTACT PERSON:

David Pettersson
Miljökonserterna MHS AB
Tel: +46 (0)19 678 40 01