Repair Resin Standard

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name/designation:

Repair Resin Standard

This safety data sheet is also valid for the following product names: Pit Filler Resin Standard / Repair Resin Extra, thin / Pit Filler Resin Extra, thin / Pit Filler Resin Extra AF, thin, acid-free / Repair Resin ExtraPlus, extra thin / Repair Resin ExtraPlus AF, extra thin, acid-free
Article No. VR-205, VR-215, VR-305, VR-315, VR-405, VR-415, VR-405AF, VR-415AF, VR-505, VR-515, VR-505AF, VR-515AF

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture:
Fillers, putties.
Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ProGlass GmbH
Michael-Becker-Str. 2
73235 Weilheim an der Teck
GERMANY
Telephone: +49 7023 90013-0
Telefax: +49 7023 90013-23
E-mail: info@proglass.de
Website: www.proglass.de

E-mail (competent person): info@proglass.de

1.4 Emergency phone number

24h: +49 551 19240 (german and english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	Calculation
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	Calculation
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	Calculation
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

Hazard components for labelling:
polyglycol dimethacrylate

Hazard statements for health hazards	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Hazard statements for environmental hazards	
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements - Prevention	
P280	Wear protective gloves and eye protection/face protection.

Precautionary statements - Response	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Precautionary statements - Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredients:

Product identifiers	**Substance name** **Classification according to Regulation (EC) No. 1272/2008 [CLP]**	**Content**
CAS No.: 25852-47-5	**polyglycol dimethacrylate** Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning	85 – 95 weight-%
CAS No.: 3290-92-4 EC No.: 221-950-4	**propylidynetrimethyl trimethacrylate** Aquatic Chronic 2 (H411)	1 – 5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
Provide fresh air.

In case of skin contact:
After contact with skin, wash immediately with plenty of water. In case of skin irritation, consult a physician.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

Following ingestion:
Rinse mouth immediately and drink plenty of water. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. May cause skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO2).

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:
In case of fire may be liberated: carbon oxides (COx), Gases/vapours, toxic.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Personal precautions:
Provide adequate ventilation. Avoid contact with eyes and skin. Remove persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection. See section 8.

6.1.2 For emergency responders

Personal protection equipment:
Personal protection equipment: see section 8

6.2 Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and cleaning up

For containment:
Wipe with absorbent material (e.g. cloth, fleece). Handling larger quantities: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

For cleaning up:
Wash with plenty of water.

6.4 Reference to other sections

Safe handling: see section 7,
Personal protection equipment: see section 8,
Disposal: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling:
Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8). Provide eye shower and label its location conspicuously.

Fire prevent measures:
No special fire protection measures are necessary.

Environmental precautions:
Discharge into the environment must be avoided.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Avoid contact with eyes and skin. Wash hands and face before breaks and after work and take a shower if necessary. Draw up and observe skin protection programme.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place. Protect from frost and heat. Protect from sunlight. Protect from moisture.

Requirements for storage rooms and vessels:
Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container.

Hints on storage assembly:
Do not store together with: Oxidizing agent. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

Recommendation:
Fillers, putties.
Observe instructions for use.

SECTION 8: Exposure controls / Personal protection

8.1 Control Parameters

No data available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

8.2.2 Personal protection equipment

Eye/face protection:
Eye glasses with side protection (EN 166).

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Skin protection:
Tested protective gloves must be worn (EN ISO 374).
Suitable material: IIR (Butyl rubber)
Material thickness: ≥ 0,5 mm
Breakthrough time:: ≥ 480 mm
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. The exact breakthrough time must be requested from the protective glove manufacturer and must be observed. Check leak tightness/ impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:
Usually no personal respirative protection necessary. Provide adequate ventilation.
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Use appropriate respiratory protection.
Combination filtering device (EN 14387), Filter type A1-P2/P3.

Other protection measures:
Wear suitable protective clothing.

8.2.3 Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid
Form: liquid
Colour: colourless, clear
Odour: like: Acrylate
Flammability: Yes

Safety relevant basic data

Parameter	Value	at	① Method ② Remark
pH	*Not applicable.*		
Melting point	*No data available.*		
Freezing point	*No data available.*		
Initial boiling point and boiling range	200 °C		
Flash point	> 113 °C		① Assessment
Evaporation rate	*No data available.*		
Auto-ignition temperature	*No data available.*		
Upper/lower Flammability or explosive limits	*Not applicable.*		
Vapour pressure	*No data available.*		
Vapour density	*No data available.*		
Density	1.1 g/mL	20 °C	
Bulk density	*Not applicable.*		
Water solubility	practically insoluble		
Dynamic viscosity	*No data available.*		
Kinematic viscosity	*No data available.*		

9.2 Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
See section 10.3

10.2 Chemical stability
The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions. Can polymerise exothermically if heated, exposed to air, sunlight or by addition or free radical initiators. Exothermal decomposition with formation of: carbon dioxide (CO_2).

10.4 Conditions to avoid
Frost, Heat, UV-radiation/sunlight, Humidity.

10.5 Incompatible materials
Materials to avoid: Alkali (lye), concentrated; acids, concentrated; Oxidising agent, strong.

10.6 Hazardous decomposition products
No known hazardous decomposition products. In case of fire may be liberated: carbon oxides (COx), Gases/vapours, toxic.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Causes skin irritation.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
May cause an allergic skin reaction.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

Carcinogenicity:
Based on available data, the classification criteria are not met.

Reproductive toxicity:
Based on available data, the classification criteria are not met.

STOT-single exposure:
May cause respiratory irritation.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

11.2 Information on other hazards
Endocrine disrupting properties:
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability
Biodegradation:
Not readily biodegradable (according to OECD criteria)

12.3 Bioaccumulative potential

Accumulation / Evaluation:
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment options

Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Completely emptied packages can be recycled.

Other disposal recommendations:
The allocation of waste code numbers / waste names must be carried out in accordance with the European Waste Catalogue (EWC). Do not allow to enter into surface water or drains. Collect in closed and suitable containers for disposal. Waste for disposal is to be classified and labelled.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI-/IATA-DGR)
14.1 UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2 UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3 Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4 Packing group			
not relevant	not relevant	not relevant	not relevant
14.5 Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6 Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7 Maritime transport in bulk according to IMO instruments
not relevant

SECTION 15: Regulatory information

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

15.1.1 EU legislation

Authorisations:

Contains no substances listed in REACH Annex XIV.

Restrictions on use:

Contains no substances subject to the restrictions of Annex XVII of the REACH Regulation.

Other regulations (EU):

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

The product does not contain substances of very high concern (SVHC) ≥ 0,1 %.
VOC content (EU): 0,00 %

15.1.2 National regulations

No data available.

15.2 Chemical Safety Assessment

No data available.

SECTION 16: Other information

16.1 Indication of changes

Changes executed in version 3.0:
Section 1: UFI
Section 2 und 14: classification, Label elements
Section 3: Composition/Information on Ingredients
General revision of all sections

16.2 Abbreviations and acronyms

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC_{50} = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC_{50} = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC_{50} = Lethal concentration, 50%
LD_{50} = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Content
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Content
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Key literature references and sources for data

European Chemicals Agency (ECHA): https://www.echa.europa.eu
ECHA, C&L Inventory: https://echa.europa.eu/information-on-chemicals/cl-inventory-database
ECHA, Registered substances: https://echa.europa.eu/information-on-chemicals/registered-substances
GESTIS, Information system on hazardous substances: https://www.gestis.dguv.de/search
GESTIS, International Limit Values: https://limitvalue.ifa.dguv.de
Hörath Gefährliche Stoffe und Gemische, 8. Auflage, Dr. Angela Schulz
Safety data sheets of the manufacturers

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	Calculation
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	Calculation
STOT-single exposure *(STOT SE 3)*	H335: May cause respiratory irritation.	Calculation
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	Calculation

16.5 List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

No data available.

16.7 Additional information

The information in this safety data sheet has been established to our best knowledge and was up-to-date at time of revision. The information is intended to give you advice about the safe handling of the product for storage, processing, transport and disposal. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.