

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

Product Identifier

Product Name: Component for Polyurethane mold rubber
Synonyms: n/a
Trade Names: Liquaglass B

Relevant identified uses of the substance or mixture and uses advised against:

Main Applications (non exhaustive list): Component for Polyurethane mold rubber.
For industrial / professional use only.

Details of the supplier of the Safety Data Sheet

Company Name: Castaldo
A division of: Goodwin Refractory Services Ltd.
Address: Spencroft Road, Holditch Industrial Estate
Newcastle under Lyme, Staffordshire, ST5 9JE, UK
Phone No. +44 (0)1782 663600
Fax No. +44 (0)1782 663611
Email address: info@grscastingpowders.com

Emergency telephone number:

Emergency Telephone No. +44 (0)1782 663600
Available outside office hours? No

2. HAZARDS IDENTIFICATION

Classification:

Not classified as hazardous.

Label elements:

Not classified as hazardous.

Supplemental Information:

May cause mild eye irritation and skin irritation. Avoid contact with eyes, skin and clothing. This is one part of a two-part system. Read and understand the hazard information on part A before using.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

This product is primarily alkyl polypol, plasticizer and aromatic diamine (<10%). All ingredients are NOT classified as health/ physical hazards under GHS, OR are present below cut-offs / concentration limits.

4. FIRST AID MEASURES

Description of first aid measures:

- Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, holding eye lids open to be sure the material is washed out. Get prompt medical attention.
- Inhalation: Move exposed person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.
- Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
- Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before reuse. Discard items that cannot be decontaminated.

Most important symptoms/ effects: Mild skin and eye irritation.

Indication of any immediate medical attention and special treatment needed: Not expected to be required.

5. FIRE FIGHTING MEASURES

Extinguishing media: Use CO₂, dry chemical, foams or water spray.

Special hazards arising from the substance or mixture: Not classified as flammable or combustible. May generate toxic/ irritating compounds and dense smoke in fire conditions.

Advice for firefighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective and emergency procedures: Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and respiratory protection.

Methods and material for containment and cleaning up:

Contain spill and prevent/ minimize release to the environment. Absorb spilled material with an inert absorbent material. Collect and containerize material. Dispose of residue in accordance with state and local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid breathing vapors or mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area.

Precautions for safe storage:

Store indoors at temperatures between 60 F and 95 F. Store in original, unopened containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure limits:

No OSHA or ACHIH exposure limits apply. No UK / EU WEL apply.

Ventilation: Provide general and local exhaust ventilation to minimize airborne concentrations.

Personal Protective Equipment: Wear eye protection, protective clothing and impermeable gloves. In the absence of good ventilation, use respirator equipped with organic vapor cartridges or air-supplied respirator. In emergencies, use SCBA.

Other protective measures: Impervious clothing is recommended to prevent skin contact and contamination of personal clothing. An eye wash and washing facility should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, pale-green liquid
Odor:	Mild
Odor threshold:	No data available
pH	Not applicable
Melting point/ freezing point:	No data available
Initial Boiling point:	No data available
Flash point:	>128C (262F)
Evaporation rate:	No data available
Flammability:	No data available
Upper/ lower flammability exposure limit:	No data available
Vapour pressure:	≤0.1 mm Hg @ 20C
Relative density:	1.0 @ 25C
Water solubility:	Slightly soluble in water
Partition coefficient:	No data available
Auto ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	400 cP @ 25C
Explosive Properties:	No data available
Oxidising properties:	No data available

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: Reaction with strong oxidizer generates heat.

Conditions to avoid: Excessive heat and exposure to sunlight.

Incompatible materials: Strong oxidizers.

Hazardous decomposition products: Thermal decomposition will generate oxides of carbon and phosphorus and chlorine compounds.

11. TOXICOLOGY INFORMATION

Information on toxicology effects:

Acute toxicity values: No data available

Germ Cell Mutagenicity: No components classed as mutagens.

Carcinogenicity: No components classed as carcinogens by NTP, IARC, or OSHA.

Reproductive toxicity: No components are classified as reproductive toxins.

Specific Target Organ Toxicity: No data available.

12. ECOLOGICAL INFORMATION

Eco toxicity: Not classified as dangerous to aquatic organisms.
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: No data available.
Mobility in soil: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose according to local, state and federal regulations. Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261).

14. TRANSPORT INFORMATION

Not regulated for transport in any mode.

15. REGULATORY INFORMATION

CERCLA 103 Reportable quantity: This product is not subject to reporting under CERCLA. Some states have more stringent requirements. Report all spills in accordance with local, state and federal regulations.

SARA Title III:
Section 311/312: Not hazardous
Section 313 Toxic chemicals: This product contains no chemicals subject to SARA Title III Section 313 Reporting requirements.

EPA Toxic substances control act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

State Regulations:
California Proposition 65: WARNING: This product is known to the state of California to cause cancer. (This warning is required owing to the presence of plasticizer ingredient deemed by CA to cause cancer. But the same plasticizer is not classified as hazardous under GHS).

16. OTHER INFORMATION

Training advice: Train personnel using this product in proper chemical handling, engineering controls and protective equipment.

Recommended uses and restrictions: This product is intended for industrial / professional use only.

Revision History:

09/07/2020– Rev 1 (New document)

Disclaimer:

Such information given on this safety data sheet is to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.