

## 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: Liquacast Strong Part 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:

Specific Target Organ Toxicity Repeated Exposure: Category 2

### Label elements:



### Signal word: Warning

### Hazard statements:

H373: May cause damage to organs (lungs or respiratory system) through prolonged or repeated exposure.

### Precautionary statements:

P260: Do not breathe vapours, aerosols or mists.

P314: Get medical advice if you feel unwell.

P501: Dispose of contents and container in accordance with local regulations.

### Supplemental Information:

This is one of a two-part system. Read and understand the hazard information on Part A before using.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Mixture**

	CAS #	%
Diethyltoluenediamine	68479-98-1	1-<3%

**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:** May cause mild eye and skin irritation. May be harmful if swallowed.

**Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is not required.

**5. FIRE FIGHTING MEASURES**

**Extinguishing media:** Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

**Special hazards arising from the substance or mixture:** Not classified as flammable or combustible. Product will burn under fire conditions.

**Advice for firefighters:** Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

**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 avoid breathing vapours. Caution- spill area may be slippery.

**Methods and material for containment and cleaning up:**  
Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid release to the environment. Report spills and releases as required to appropriate authorities.

**7. HANDLING AND STORAGE**

**Precautions for safe handling:**  
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. Keep container closed when not in use.

**Precautions for safe storage:**  
Store indoors at temperatures below 120F. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational Exposure limits:**

Chemical name	Exposure limits
Diethyltoluenediamine	No known exposure limits

**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure levels.

**Respiratory protection:** If needed (i.e., ventilation is inadequate), use a NIOSH– approved air– purifying, tight- fitting, half– face respirator with organic vapor cartridges. Respirator selection and use should be based on containment type, form and concentration. For higher exposures or in an emergency, use a supplied– air respirator.

**Skin protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.

**Eye protection:** Wear chemical safety goggles / glasses.

**Other protective measures:** Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid of varied colours
Odor:	Slightly pungent
Odor threshold:	Not data available
pH	Not applicable
Melting point/ freezing point:	No data available
Initial Boiling point:	No data available
Flash point:	>350 F (>177 C)
Evaporation rate:	No data available
Flammability:	No data available
Upper/ lower flammability exposure limit:	No data available
Vapour pressure:	<0.01 mm Hg @25 C
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:	150—1500 cP
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 oxidizers generates heat.

**Conditions to avoid:** Avoid excessive heat.

**Incompatible materials:** Avoid contact with strong oxidizers.

**Hazardous decomposition products:** Thermal decomposition will generate oxides of carbon and nitrogen, organic acids, and other toxic organic compounds.

## 11. TOXICOLOGY INFORMATION

### Information on toxicology effects:

Acute toxicity values: Diethyltoluenediamine: Oral rat LD50 738 mg/kg

Skin corrosion / irritation : Relevant components are not a skin irritant.

Eye damage/ irritation: Relevant components are not an eye irritant.

Respiratory irritation: Relevant components are not a classified respiratory irritant.

Reproductive toxicity: Relevant components are not a reproductive toxins.

Specific Target Organ Toxicity:

Single Exposure: No data available.

Repeated exposure: Diethyltoluenediamine may cause damage to the pancreas through repeated or prolonged exposure.

**12. ECOLOGICAL INFORMATION**

Eco toxicity: One ingredient is harmful to aquatic organisms: Based on additivity formula, product is not classed as hazardous to the environment.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Not expected to bio accumulate.

Mobility in soil: No data available.

**13. DISPOSAL CONSIDERATIONS**

Dispose according to local, state and federal regulations.

**14. TRANSPORT INFORMATION**

Not regulated for transport by any mode.

**15. REGULATORY INFORMATION**

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

SARA Title III:

Section 311/312: Chronic health

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: This product does not cause substances known to the state of California to cause cancer and / or reproductive harm.

**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 its accuracy, reliability or completeness. It is the users responsibility to satisfy itself as to the suitability and completeness of such information for their own particular use.