

**Safety Data Sheet**  
 according to 1907/2006/EC (REACH),  
 1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

## 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- Trade name: **PROseal/FIBERseal**
- **1.2 Application of the substance / the preparation** Sealant
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
 Ductmate Industries, Inc.  
 210 5th St.  
 Charleroi, PA 15022  
 Phone: 800-990-8459
- **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:**  
 ChemTel Inc.  
 (800)255-3924, +1 (813)248-0585



## 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.  
 Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36: Irritating to eyes.



Xi; Sensitising

R43: May cause sensitisation by skin contact.

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS07

(Contd. on page 2)

**Safety Data Sheet**  
according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 1)

· **Signal word** Warning· **Hazard-determining components of labelling:**

1,2-benzisothiazol-3(2H)-one

· **Hazard statements**

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Hazard description:**· **WHMIS-symbols:**

D2B - Toxic material causing other toxic effects

· **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH 0 Health = \*0

FIRE 1 Fire = 1

REACTIVITY 0 Reactivity = 0

· **HMIS Long Term Health Hazard Substances**

None of the ingredients is listed.

· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.

(Contd. on page 3)

# Safety Data Sheet

according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

· vPvB: Not applicable.

(Contd. of page 2)

## 3 Composition/information on ingredients

### 3.2 Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

CAS: 25212-88-8	Methacrylic acid copolymer dispersion ☒ Xn R20 R53 ----- ⚠ Acute Tox. 4, H332 Aquatic Chronic 4, H413	<5%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> ) substance with a Community workplace exposure limit	<1%
CAS: 111-42-2 EINECS: 203-868-0 Index number: 603-071-00-1	2,2'-iminodiethanol ☒ Xn R22-48/22; ☒ Xi R38-41 ----- ⚠ STOT RE 2, H373 ☞ Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	<1%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one ☒ Xn R22; ☒ Xi R38-41; ☒ Xi R43; ☒ N R50 ----- ☞ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	< 0,5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

### 4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

#### · **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### · **After eye contact:**

Protect unharmed eye.

Do not remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

### 4.2 Most important symptoms and effects, both acute and delayed Allergic reactions

### 4.3 Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with added, activated carbon.

Monitor circulation, possible shock treatment.

Medical supervision for at least 48 hours.

(Contd. on page 4)

**Safety Data Sheet**  
according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

Treat skin and mucous membrane with antihistamine and corticoid preparations.

(Contd. of page 3)

**5 Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Sulphur dioxide (SO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

**6 Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Allow to solidify. Pick up mechanically.  
Clean the affected area carefully; suitable cleaners are:  
Organic solvent  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Keep away from heat and direct sunlight.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**  
Store away from oxidizing agents.  
Store away from foodstuffs.

(Contd. on page 5)

## Safety Data Sheet

according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 4)

- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.  
Protect from frost.
- **7.3 Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

#### Ingredients with limit values that require monitoring at the workplace:

##### 14808-60-7 Quartz (SiO<sub>2</sub>)

PEL (USA)	see Quartz listing
REL (USA)	0,05* mg/m <sup>3</sup> *respirable dust; See Pocket Guide App. A
TLV (USA)	0,025* mg/m <sup>3</sup> *as respirable fraction
EL (Canada)	0,025 mg/m <sup>3</sup> ACGIH A2; IARC 1
EV (Canada)	0,10* mg/m <sup>3</sup> *respirable fraction

##### 9004-34-6 Cellulose

PEL (USA)	15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL (USA)	10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV (USA)	10 mg/m <sup>3</sup>
EL (Canada)	10 mg/m <sup>3</sup>
EV (Canada)	10 mg/m <sup>3</sup> paper fibre, total dust

##### 111-42-2 2,2'-iminodiethanol

REL (USA)	15 mg/m <sup>3</sup> , 3 ppm
TLV (USA)	1* mg/m <sup>3</sup> , 0,2* ppm Skin; *inhalable fraction and vapor
EL (Canada)	2 mg/m <sup>3</sup> Skin
EV (Canada)	2 mg/m <sup>3</sup>

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid close or long term contact with the skin.

(Contd. on page 6)

## Safety Data Sheet

according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 5)

- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**



Protective gloves

- **Material of gloves**

Butyl rubber, BR

The selection of the 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.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Pasty

Colour: Grey

- **Odour:** Mild

- **Odour threshold:** Not determined.

- **pH-value at 20°C:** 8,0-9,5

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100°C (212°F)

- **Flash point:** 100°C (212°F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Self-igniting:** Product is not selfigniting.

(Contd. on page 7)

**Safety Data Sheet**  
 according to 1907/2006/EC (REACH),  
 1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 6)

· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20°C:</b>	1,32 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	< 1 (BAC = 1)
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>VOC (EC)</b>	41 g/L (PROseal) (21 g/L - FIBERseal)
· <b>9.2 Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with peroxides and other radical forming substances.  
Reacts with strong oxidizing agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides (SO<sub>x</sub>)  
Hydrocarbons

(Contd. on page 8)

# Safety Data Sheet

according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 7)

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

<b>25212-88-8 Methacrylic acid copolymer dispersion</b>
---

Inhalative   LC50/4 h   1,03 mg/l (rat)
---

- **Primary irritant effect:**

- **on the skin:** Slight irritant effect on skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** The product contains materials that are harmful to the environment.
- **12.2 Persistence and degradability** The product is partly biodegradable. Significant residuals remain.
- **12.3 Bioaccumulative potential**  
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

- **12.4 Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

(Contd. on page 9)



**Safety Data Sheet**  
 according to 1907/2006/EC (REACH),  
 1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 8)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- |   |                 |
|---|-----------------|
| · <b>14.1 UN-Number</b>   |                 |
| · DOT, ADR, ADN, IMDG, IATA   | N/A             |
| · <b>14.2 UN proper shipping name</b>   |                 |
| · DOT, ADR, ADN, IMDG, IATA   | N/A             |
| · <b>14.3 Transport hazard class(es)</b>  |                 |
| · DOT, ADR, ADN, IMDG, IATA   |                 |
| · Class   | N/A             |
| · <b>14.4 Packing group</b>   |                 |
| · DOT, ADR, IMDG, IATA  | N/A             |
| · <b>14.5 Environmental hazards:</b>  |                 |
| · Marine pollutant:   | No              |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>   | -               |

**15 Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

111-42-2 | 2,2'-iminodiethanol

107-21-1 | ethanediol

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California):**· **Chemicals known to cause cancer:**14808-60-7 | Quartz (SiO<sub>2</sub>)

111-42-2 | 2,2'-iminodiethanol

(Contd. on page 10)

**Safety Data Sheet**  
according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

Trade name: PROseal/FIBERseal

(Contd. of page 9)

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic Categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

14808-60-7	Quartz (SiO <sub>2</sub> )	A2
111-42-2	2,2'-iminodiethanol	A3
107-21-1	ethanediol	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7 Quartz (SiO<sub>2</sub>)

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Canada**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

14808-60-7	Quartz (SiO <sub>2</sub> )
111-42-2	2,2'-iminodiethanol

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H413 May cause long lasting harmful effects to aquatic life.

(Contd. on page 11)

**Safety Data Sheet**  
according to 1907/2006/EC (REACH),  
1272/2008/EC (CLP), and GHS

Printing date 08.08.2012

Revision: 30.07.2012

**Trade name: PROseal/FIBERseal**

(Contd. of page 10)

- R20 Harmful by inhalation.  
R22 Harmful if swallowed.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
R50 Very toxic to aquatic organisms.  
R53 May cause long-term adverse effects in the aquatic environment.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
ACGIH: American Conference of Governmental Industrial Hygienists  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent