

## 1 Identification

· **Product identifier**

· **Trade name:** 40887 Dual-Mix Rigid Plastic Repair Material

· **Article number:** 40887

· **Application of the substance / the mixture**

Coating

Epoxy Adhesive

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

SEM Products Inc.

1685 Overview Drive

Rock Hill, SC 29730

803 207 8225

· **Information department:**

cust\_care@semproducts.com : SEM Products, Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT

· **Emergency telephone number:** CHEMTREC 1-800-424-9300

## 2 Hazard(s) identification

· **Classification of the substance or mixture**



GHS08 Health hazard

Muta. 2

H341 Suspected of causing genetic defects.

Carc. 1A

H350 May cause cancer.

Repr. 2

H361 Suspected of damaging fertility or the unborn child.

STOT RE 2

H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 Corrosion

Skin Corr. 1B

H314 Causes severe skin burns and eye damage.

Eye Dam. 1

H318 Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4

H302 Harmful if swallowed.

Skin Sens. 1

H317 May cause an allergic skin reaction.

STOT SE 3

H335 May cause respiratory irritation.

Flam. Liq. 4

H227 Combustible liquid.

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USA

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*Aquatic Acute 3 H402 Harmful to aquatic life.*

· **Label elements**

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS05 GHS07 GHS08 GHS09

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

*phenol  
bisphenolA(chloro)oxirane polymer  
4-nonylphenol, branched  
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane  
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane  
2,2'-iminodiethylamine  
3,6-diazaoctanethylenediamin  
(DIMETHYLAMINO)METHYLPHENOL  
N-(3-(trimethoxysilyl)propyl)ethylenediamine*

· **Hazard statements**

*H227 Combustible liquid.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H402 Harmful to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.*

· **Precautionary statements**

*P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from flames and hot surfaces. – No smoking.  
P260 Do not breathe dusts or mists.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

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P310	Immediately call a poison center/doctor.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P314	Get medical advice/attention if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

## · Classification system:

## · NFPA ratings (scale 0 - 4)

	Health = 3
	Fire = 2
	Reactivity = 0

## · HMIS-ratings (scale 0 - 4)

	Health = *3
	Fire = 2
	Reactivity = 0

## · Other hazards

## · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

## \* 3 Composition/information on ingredients

## · Chemical characterization: Mixtures

## · Description:

Mixture: consisting of the following components.

Weight percentages

## · Dangerous components:

25068-38-6	bisphenolA(chloro)oxirane polymer	≥25-≤30%
14807-96-6	Talc	13-30%
	Talc	10-13%
65997-17-3	Soda lime Borosilicate Glass	≥7-<10%
108-95-2	phenol	5-7%
	Amine proprietary	
68909-14-8	Modified diglycidal ether	1.5-5%
67762-90-7	FUMED SILICA	1.5-5%
100-51-6	Benzyl alcohol	1.5-5%
84852-15-3	4-nonylphenol, branched	≥1.5-<2.5%
17557-23-2	1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	1.5-5%

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111-40-0	2,2'-iminodiethylamine	1-1.5%
112-24-3	3,6-diazaoctanethylenediamin	≥0.1-<1%
25338-55-0	(DIMETHYLAMINO)METHYLPHENOL	≥0.1-<1%
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	≥0.1-<1%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	≥0.1-<1%

· **Additional information:**

The specific chemical identity of composition and exact percentage is being withheld as a trade secret. The specific chemical identity and exact percentage is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of paragraph §1910.1200.

**4 First-aid measures**

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire-fighting measures**

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **Advice for firefighters**

· **Protective equipment:** Mouth respiratory protective device.

**6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **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.

· **Protective Action Criteria for Chemicals**· **PAC-1:**

25068-38-6	bisphenolA(chloro)oxirane polymer	90 mg/m <sup>3</sup>
65997-17-3	Soda lime Borosilicate Glass	15 mg/m <sup>3</sup>
108-95-2	phenol	15 ppm
67762-90-7	FUMED SILICA	120 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	30 ppm
13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
84852-15-3	4-nonylphenol, branched	3.9 mg/m <sup>3</sup>
111-40-0	2,2'-iminodiethylamine	3 ppm
112-24-3	3,6-diazaoctanethylenediamin	3 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	9.3 mg/m <sup>3</sup>
919-30-2	3-aminopropyltriethoxysilane	1.9 mg/m <sup>3</sup>
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	23 mg/m <sup>3</sup>
107-21-1	ethanediol	30 ppm
67-56-1	methanol	530 ppm
107-15-3	ethylenediamine	0.88 ppm
64-17-5	ethanol	1,800 ppm

· **PAC-2:**

25068-38-6	bisphenolA(chloro)oxirane polymer	990 mg/m <sup>3</sup>
65997-17-3	Soda lime Borosilicate Glass	170 mg/m <sup>3</sup>
108-95-2	phenol	23 ppm
67762-90-7	FUMED SILICA	1,300 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	52 ppm
13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
84852-15-3	4-nonylphenol, branched	43 mg/m <sup>3</sup>
111-40-0	2,2'-iminodiethylamine	8.5 ppm
112-24-3	3,6-diazaoctanethylenediamin	14 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	100 mg/m <sup>3</sup>
919-30-2	3-aminopropyltriethoxysilane	21 mg/m <sup>3</sup>
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	250 mg/m <sup>3</sup>
107-21-1	ethanediol	150 ppm
67-56-1	methanol	2,100 ppm
107-15-3	ethylenediamine	9.7 ppm

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64-17-5	ethanol	3300* ppm
<b>· PAC-3:</b>		
25068-38-6	bisphenolA(chloro)oxirane polymer	5,900 mg/m <sup>3</sup>
65997-17-3	Soda lime Borosilicate Glass	990 mg/m <sup>3</sup>
108-95-2	phenol	200 ppm
67762-90-7	FUMED SILICA	7,900 mg/m <sup>3</sup>
100-51-6	Benzyl alcohol	740 ppm
13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
84852-15-3	4-nonylphenol, branched	260 mg/m <sup>3</sup>
111-40-0	2,2'-iminodiethylamine	51 ppm
112-24-3	3,6-diazaoctanethylenediamin	83 ppm
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	230 mg/m <sup>3</sup>
919-30-2	3-aminopropyltriethoxysilane	350 mg/m <sup>3</sup>
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	1,500 mg/m <sup>3</sup>
107-21-1	ethanediol	900 ppm
67-56-1	methanol	7200* ppm
107-15-3	ethylenediamine	20 ppm
64-17-5	ethanol	15000* ppm

\* **7 Handling and storage**

- **Handling:**
- **Precautions for safe handling**  
No special measures required.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

\* **8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

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At this time, the other constituents have no known exposure limits.

<b>108-95-2 phenol</b>	
PEL	Long-term value: 19 mg/m <sup>3</sup> , 5 ppm Skin
REL	Long-term value: 19 mg/m <sup>3</sup> , 5 ppm Ceiling limit value: 60* mg/m <sup>3</sup> , 15.6* ppm *15-min; Skin
TLV	Long-term value: 19 mg/m <sup>3</sup> , 5 ppm Skin; BEI
<b>100-51-6 Benzyl alcohol</b>	
WEEL	Long-term value: 10 ppm
<b>111-40-0 2,2'-iminodiethylamine</b>	
REL	Long-term value: 4 mg/m <sup>3</sup> , 1 ppm Skin
TLV	Long-term value: 4.2 mg/m <sup>3</sup> , 1 ppm Skin
<b>112-24-3 3,6-diazaoctanethylenediamin</b>	
WEEL	Long-term value: 6 mg/m <sup>3</sup> , 1 ppm Skin

**· Ingredients with biological limit values:**

<b>108-95-2 phenol</b>	
BEI	250 mg/g creatinine Medium: urine Time: end of shift Parameter: Phenol with hydrolysis (background, nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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**Material of gloves**

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:**


Tightly sealed goggles

**9 Physical and chemical properties**
**Information on basic physical and chemical properties**
**General Information**
**Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not determined.

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	149 °C

**Flash point:** 82 °C

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

**Ignition temperature:** 595 °C

**Decomposition temperature:** Not determined.

**Auto igniting:** Product is not selfigniting.

**Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapor pressure:** Not determined.

**Density at 20 °C:** 1.39767 g/cm<sup>3</sup>

**Relative density** Not determined.

**Vapor density** Not determined.

**Evaporation rate** Not determined.

**Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

**Partition coefficient (n-octanol/water):** Not determined.

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- |                            |  |
|----------------------------|--|
| · <b>Viscosity:</b>        |  |
| <b>Dynamic:</b>            | Not determined.                            |
| <b>Kinematic:</b>          | Not determined.                            |
| · <b>Solvent content:</b>  |  |
| <b>Organic solvents:</b>   | 0.0 %                                      |
| <b>VOC content:</b>        | 0.01 %                                     |
| · <b>Solids content:</b>   | 96.4 %                                     |
| · <b>Other information</b> | No further relevant information available. |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

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

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

### 108-95-2 phenol

Oral	LD50	317 mg/kg (rat)
Dermal	LD50	850 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:**  
Strong caustic effect.  
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 internally approved calculation methods for preparations:  
Harmful  
Corrosive  
Irritant  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

14807-96-6	Talc	3
	Talc	3
108-95-2	phenol	3

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13463-67-7	titanium dioxide	2B
64-17-5	ethanol	I

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

**12 Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

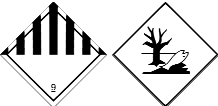
**14 Transport information**

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN3082
- **UN proper shipping name**
- **DOT** Environmentally hazardous substance, liquid, n.o.s.  
(bisphenolA(chloro)oxirane polymer, Amine proprietary)

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· <b>ADR</b>	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenolA(chloro)oxirane polymer, Amine proprietary)
· <b>IMDG</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenolA(chloro)oxirane polymer, Amine proprietary, 4-nonylphenol, branched)
· <b>IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenolA(chloro)oxirane polymer, Amine proprietary)
· <b>Transport hazard class(es)</b>	
· <b>DOT, ADR, IMDG, IATA</b>	
	
· <b>Class</b>	9 Miscellaneous dangerous substances and articles
· <b>Label</b>	9
· <b>Packing group</b>	
· <b>DOT, ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b>	Product contains environmentally hazardous substances: 4-nonylphenol, branched
· <b>Marine pollutant:</b>	Yes
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles
· <b>EMS Number:</b>	F-A,S-F
· <b>Stowage Category</b>	A
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: No limit On cargo aircraft only: No limit
· <b>Remarks</b>	Special marking with the symbol (fish and tree).
· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOLA(CHLORO)OXIRANE POLYMER, AMINE PROPRIETARY), 9, III

**15 Regulatory information**

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

· Section 355 (extremely hazardous substances):

108-95-2	phenol
107-15-3	ethylenediamine

· Section 313 (Specific toxic chemical listings):

14807-96-6	Talc
	Talc
108-95-2	phenol
68909-14-8	Modified diglycidal ether
84852-15-3	4-nonylphenol, branched
25338-55-0	(DIMETHYLAMINO)METHYLPHENOL
107-21-1	ethanediol
67-56-1	methanol

· TSCA (Toxic Substances Control Act):

25068-38-6	bisphenolA(chloro)oxirane polymer	ACTIVE
14807-96-6	Talc	ACTIVE
	Talc	*
65997-17-3	Soda lime Borosilicate Glass	ACTIVE
108-95-2	phenol	ACTIVE
68082-29-1	FATTY ACID POLYMERS	ACTIVE
	Amine proprietary	*
68909-14-8	Modified diglycidal ether	ACTIVE
67762-90-7	FUMED SILICA	ACTIVE
100-51-6	Benzyl alcohol	ACTIVE
13463-67-7	titanium dioxide	ACTIVE
84852-15-3	4-nonylphenol, branched	ACTIVE
17557-23-2	1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane	ACTIVE
111-40-0	2,2'-iminodiethylamine	ACTIVE
112-24-3	3,6-diazaoctanethylenediamin	ACTIVE
25338-55-0	(DIMETHYLAMINO)METHYLPHENOL	ACTIVE
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	ACTIVE
919-30-2	3-aminopropyltriethoxysilane	ACTIVE
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	ACTIVE
107-21-1	ethanediol	ACTIVE

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67-56-1	methanol	ACTIVE
107-15-3	ethylenediamine	ACTIVE
64-17-5	ethanol	ACTIVE

· **Hazardous Air Pollutants**

108-95-2	phenol
107-21-1	ethanediol
67-56-1	methanol

· **Proposition 65**· **Chemicals known to cause cancer:**

25068-38-6	bisphenolA(chloro)oxirane polymer
13463-67-7	titanium dioxide
107-21-1	ethanediol

· **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:**

107-21-1	ethanediol
67-56-1	methanol
64-17-5	ethanol

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

108-95-2	phenol	D, I
107-15-3	ethylenediamine	D

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

14807-96-6	Talc	A4
	Talc	A4
108-95-2	phenol	A4
13463-67-7	titanium dioxide	A4
107-21-1	ethanediol	A4
107-15-3	ethylenediamine	A4
64-17-5	ethanol	A3

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

13463-67-7	titanium dioxide
67-56-1	methanol

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).· **Hazard pictograms**

GHS05

GHS07

GHS08

GHS09

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USA



**Trade name: 40887 Dual-Mix Rigid Plastic Repair Material**

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· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

*phenol*  
*bisphenolA(chloro)oxirane polymer*  
*4-nonylphenol, branched*  
*[3-(2,3-epoxypropoxy)propyl]trimethoxysilane*  
*1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane*  
*2,2'-iminodiethylamine*  
*3,6-diazaoctanethylenediamin*  
*(DIMETHYLAMINO)METHYLPHENOL*  
*N-(3-(trimethoxysilyl)propyl)ethylenediamine*

· **Hazard statements**

*H227 Combustible liquid.*  
*H302 Harmful if swallowed.*  
*H314 Causes severe skin burns and eye damage.*  
*H317 May cause an allergic skin reaction.*  
*H341 Suspected of causing genetic defects.*  
*H350 May cause cancer.*  
*H361 Suspected of damaging fertility or the unborn child.*  
*H335 May cause respiratory irritation.*  
*H373 May cause damage to organs through prolonged or repeated exposure.*  
*H402 Harmful to aquatic life.*  
*H411 Toxic to aquatic life with long lasting effects.*

· **Precautionary statements**

*P201 Obtain special instructions before use.*  
*P202 Do not handle until all safety precautions have been read and understood.*  
*P210 Keep away from flames and hot surfaces. – No smoking.*  
*P260 Do not breathe dusts or mists.*  
*P264 Wash thoroughly after handling.*  
*P270 Do not eat, drink or smoke when using this product.*  
*P271 Use only outdoors or in a well-ventilated area.*  
*P272 Contaminated work clothing must not be allowed out of the workplace.*  
*P273 Avoid release to the environment.*  
*P280 Wear protective gloves/protective clothing/eye protection/face protection.*  
*P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.*  
*P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.*  
*P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*  
*P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.*  
*P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
*P310 Immediately call a poison center/doctor.*  
*P308+P313 IF exposed or concerned: Get medical advice/attention.*  
*P321 Specific treatment (see on this label).*  
*P314 Get medical advice/attention if you feel unwell.*  
*P333+P313 If skin irritation or rash occurs: Get medical advice/attention.*  
*P363 Wash contaminated clothing before reuse.*  
*P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.*  
*P391 Collect spillage.*  
*P403+P233 Store in a well-ventilated place. Keep container tightly closed.*  
*P403+P235 Store in a well-ventilated place. Keep cool.*

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**Trade name: 40887 Dual-Mix Rigid Plastic Repair Material**

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P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**

- **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

- **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.  
Exceptions can be made by the authorities in certain cases.

- **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.

- **Department issuing SDS:** Environment protection department.

- **Contact:** Andy French (AFrench@semproducts.com)

- **Date of preparation / last revision** 06/10/2019 / 2

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 1A: Carcinogenicity – Category 1A

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- **\* Data compared to the previous version altered.**