



Reviewed on 01/08/2016

1 Identification

- · Product identifier
- · Trade name: 39847 Multi-Plastic Repair Material
- · Article number: 39847
- · Application of the substance / the mixture Adhesives
- · 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



H351 Suspected of causing cancer.

GHS07

Acute Tox. 4 H302 Harmful if swallowed. Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H335 May cause respiratory irritation.

· Label elements

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



· Signal word Warning

· Hazard-determining components of labeling: bisphenolA(chloro)oxirane polymer Talc 2,4,6-tris(dimethylaminomethyl)phenol titanium dioxide

· Hazard statements H302 Harmful if swallowed.

(Contd. on page 2)

USA

Printing date 05/31/2016

Reviewed on 01/08/2016

MER

Trade name: 39847 Multi-Plastic Repair Material

	(Contd. of page 1)
H315 Causes sk	
	rious eye irritation.
	e an allergic skin reaction.
	of causing cancer.
	e respiratory irritation.
· Precautionary s	
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
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.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P305+P351+P3	338 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).
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363	Wash contaminated clothing before reuse.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
 Classification sy NFPA ratings (s 	

Health = 1Fire = 1Reactivity = 0

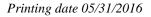
· HMIS-ratings (scale 0 - 4)

HEALTH 1 Health = 1FIRE 1 Fire = 1**REACTIVITY O** *Reactivity* = 0

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

(Contd. on page 3)

USA





Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

(Contd. of page 2)

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture: consisting of the following components. Weight percentages

· Dangerous components:		
	Talc	30 - 40%
	Mercaptan Terminated Polymer NJTS 800938 5952	13 - 30%
25068-38-6	bisphenolA(chloro)oxirane polymer	13 - 30%
65997-17-3	Glass	5 - 7%
26142-30-3	POLYMER OF EPICHLOROHYDRIN-POLYGLYCOL	5 - 7%
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1.5 - 5%
163440-98-0	ELASTOMER MODIFIED DIGLYCIDAL ETHER	1-1.5%
13463-67-7	titanium dioxide	1-1.5%
14228-73-0	CYCLOHEXANEDIMETHANOL DIGLYCIDAL ETHER	<i>≤1%</i>

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. If symptoms persist, consult a doctor.
- · After swallowing: 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: Use fire fighting measures that suit the environment.
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

(Contd. on page 4)

USA



Printing date 05/31/2016

Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

(Contd. of page 3)

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: 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). 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.

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 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 product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 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 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.

(Contd. on page 5)

Page 4/11

USA



SEM

Page 5/11

(Contd. of page 4)

Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

· 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.

· 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

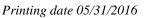
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties · Information on basic physical and chemical properties · General Information · Appearance: Form: Liquid Color: According to product specification · Odor: *Characteristic* · Odor threshold: Not determined. · pH-value: Not determined. · Change in condition Melting point/Melting range: Undetermined. **Boiling point/Boiling range:** 201 °C · Flash point: 257 °C · Flammability (solid, gaseous): Not applicable. · Ignition temperature: Not determined. **Decomposition temperature:** · Auto igniting: Product is not selfigniting. · Danger of explosion: Product does not present an explosion hazard. In use, may form flammable/explosive vapour-air mixture. · Explosion limits: Lower: Not determined. Upper: Not determined. (Contd. on page 6)



Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

	(Contd.	of page
· Vapor pressure:	Not determined.	
· Density at 20 °C:	1.59733 g/cm ³	
· 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-octand	ol/water): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	0.0 %	
Solids content:	99.9 %	
• Other information	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:
- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful

Irritant

· Carcinogenic categories

	3
nium dioxide	2B
con dioxide, chemically prepared	3
bon black 2	2B
(Contd. on pag	ge 7
1 ?(ium dioxide on dioxide, chemically prepared bon black

Printing date 05/31/2016

Reviewed on 01/08/2016

(Contd. of page 6)

1

1

K

Trade name: 39847 Multi-Plastic Repair Material

14808-60-7 Quartz (SiO2)

64-17-5 ethanol

· NTP (National Toxicology Program)

14808-60-7 Quartz (SiO2)

· 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:
- $\cdot \textit{Bioaccumulative potential No further relevant information available}.$
- *Mobility in soil* No further relevant information available.
- · 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.

Danger to drinking water if even small quantities leak into the ground.

- · 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.

UN-Number		
DOT, ADR, ADN, IMDG, IATA	Void	
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA		
Class	Void	
Packing group		
DOT, ADR, IMDG, IATA	Void	



Printing date 05/31/2016

Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

		(Contd. of page 7)
• Environmental hazards: • Marine pollutant:	No	
· Special precautions for user	Not applicable.	
• Transport in bulk according to Annex A MARPOL73/78 and the IBC Code	II of Not applicable.	
· Transport/Additional information:		
· DOT · Remarks	NOT REGULATED	
· UN "Model Regulation":	Void	

15 Regulatory information

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

None of the ir	None of the ingredient is listed.	
Section 313 (Specific toxic chemical listings):	
	Talc	
163440-98-0	ELASTOMER MODIFIED DIGLYCIDAL ETHER	
107-21-1	ethanediol	
67-56-1	methanol	
TSCA (Toxic	Substances Control Act):	
	Talc	
25068-38-6	bisphenolA(chloro)oxirane polymer	
1317-65-3	GROUND CALCIUM CARBONATE	
65997-17-3	Glass	
26142-30-3	POLYMER OF EPICHLOROHYDRIN-POLYGLYCOL	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	
163440-98-0	ELASTOMER MODIFIED DIGLYCIDAL ETHER	
13463-67-7	titanium dioxide	
18268-70-7	Tetraethylene Glycol Di 2-ethylhexoate	
14228-73-0	CYCLOHEXANEDIMETHANOL DIGLYCIDAL ETHER	
919-30-2	3-aminopropyltriethoxysilane	
2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	
	stearic acid, pure	
67762-90-7	FUMED SILICA	
	Triethylendiamin	
Proposition 65		
	nown to cause cancer:	
25068-38-6	bisphenolA(chloro)oxirane polymer	
	(Contd. on page	





Page 9/11

Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

		(Contd. of page
	-0 ELASTOMER MODIFIED DIGLYCIDAL ETHER	
	7-7 titanium dioxide	
	-1 ethanediol	
	-4 Carbon black	
14808-60	-7 Quartz (SiO2)	
Chemicals	known to cause reproductive toxicity for females:	
None of the	e ingredients is listed.	
Chemicals	known to cause reproductive toxicity for males:	
None of the	e ingredients is listed.	
Chemicals	known to cause developmental toxicity:	
107-21-1	ethanediol	
64-17-5	ethanol	
67-56-1 i	nethanol	
Canceroge	enity categories	
EPA (Envi	ironmental Protection Agency)	
None of the	e ingredients is listed.	
TLV (Thre	rshold Limit Value established by ACGIH)	
	Talc	A
13463-67-2	7 titanium dioxide	Α
107-21-	1 ethanediol	A
1333-86-4	4 Carbon black	A
14808-60-2	7 Quartz (SiO2)	A
64-17-:	5 ethanol	A
NIOSH-Co	a (National Institute for Occupational Safety and Health)	
13463-67-2	7 titanium dioxide	
1333-86-4	4 Carbon black	
14808-60-2	7 Quartz (SiO2)	
67-56-	1 methanol	

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

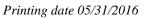


· Signal word Warning

• *Hazard-determining components of labeling:* bisphenolA(chloro)oxirane polymer Talc 2,4,6-tris(dimethylaminomethyl)phenol

titanium dioxide • **Hazard statements** H302 Harmful if swallowed. H315 Causes skin irritation.

(Contd. on page 10)



SEM

Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

	(Contd. of page 9)
	rious eye irritation.
	e an allergic skin reaction.
	l of causing cancer.
	e respiratory irritation.
• Precautionary s	statements
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
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.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
<i>P305+P351+P</i> .	338 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).
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363	Wash contaminated clothing before reuse.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Chemical safety	wassessment: 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: Steve Gaver (sgaver@semproducts.com)
- Date of preparation / last revision 05/31/2016 / 5

```
• 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

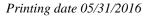
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

(Contd. on page 11)

USA





Page 11/11

Reviewed on 01/08/2016

Trade name: 39847 Multi-Plastic Repair Material

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 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A Skin sens. 1: Skin sensitisation – Category 1 Carc. 2: Carcinogenicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 • * Data compared to the previous version altered. (Contd. of page 10)

USA -