



Reviewed on 04/01/2015

1 Identification

- · Product identifier
- · Trade name: 39977 Panel Vibration Control Material
- · Article number: 39977
- *Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.*
- Application of the substance / the mixture Sealant

Details of the supplier of the safety data sheet
Manufacturer/Supplier: SEM Products Inc. 1685 Overview Drive Rock Hill, SC 29730 803 207 8225

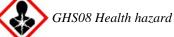
· Information department:

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



Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

- Carc. 2 H351 Suspected of causing cancer.
- *Repr.* 2 H361 Suspected of damaging fertility or the unborn child.

CHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage. Eye Dam. 1 H318 Causes serious eye damage.



Acute Tox. 4H312 Harmful in contact with skin.Skin Sens. 1H317 May cause an allergic skin reaction.STOT SE 3H335 May cause respiratory irritation.

· Label elements

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



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Safety Data Sheet acc. to OSHA HCS SEM

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Signal word	(Contd. of page 1)
	ermining components of labeling:
	CAMINE (PROPRIETARY)
nonylphenol	
	I-ylethylamine
	IL GLYCIDAL ETHER
Hazard state	ful in contact with skin.
	es severe skin burns and eye damage.
	cause allergy or asthma symptoms or breathing difficulties if inhaled.
	cause an allergic skin reaction.
	cted of causing cancer.
	cted of damaging fertility or the unborn child.
	cause respiratory irritation.
	ary statements
P260	Do not breathe dusts or mists.
P284	Wear respiratory protection.
P280	Wear protective gloves.
P303+P361	+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin
	with water/shower.
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.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Classification NFPA ration	ů – Elektrik
	Health = 3
	Fire = 1
	Reactivity = 0
\checkmark	Reactivity = 0
HMIS-ratin	<i>ags (scale 0 - 4)</i>
	$^{*3} Health = *3$
FIRE	1 $Fire = 1$
REACTIVITY	O Reactivity = 0
0.1 1	
Other hazar	
	BT and vPvB assessment
PBT: Not ap	
vPvB: Not a	ipplicable
Compositi	ion/information on ingredients
Cnemical cl	haracterization: Mixtures

· Chemical characterization: Mixtures

· Description:

*

Mixture: consisting of the following components. Weight percentages

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		(Contd. of page 2)
· Dangerous	components:	
	EPOXY RESIN MODIFIER	13 - 30%
	ALIPHATIC AMINE (PROPRIETARY)	13 - 30%
74398-71-3	CASTOR OIL GLYCIDAL ETHER	10 -13%
	Mercaptan Terminated Polymer	
140-31-8	2-piperazin-1-ylethylamine	7 - 10%
25068-38-6	bisphenolA(chloro)oxirane polymer	7 - 10%
67762-90-7	FUMED SILICA	5 - 7%
25154-52-3	nonylphenol	5 - 7%
	Amine proprietary	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1.5 - 5%
1333-86-4	Carbon black	<u>≤1%</u>

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.

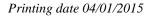
5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: 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: Mouth respiratory protective device.

6 Accidental release measures

• *Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.*

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

7 Handling and storage

· Handling:

- Precautions for safe handling No special measures required. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- · Information about protection against explosions and fires: No special measures required.
- · 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. 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.

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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

General Information	
Appearance:	
Form:	Liquid
Color:	According to product specification
Odor:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	220 °C
Flash point:	257 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	315 °C
Decomposition temperature:	Not determined.
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.
Vapor pressure:	Not determined.
Density at 20 °C:	1.12062 g/cm ³

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	(Contd. of	f page :
· Relative density	Not determined.	
· Vapour density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
Partition coefficient (n-octanol/wa	iter): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	0.0 %	
Solids content:	99.6 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity

· 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:

140-31-8 2-piperazin-1-ylethylamine

Oral LD50 2140 mg/kg (rat)

Dermal LD50 880 mg/kg (rabbit)

25154-52-3 nonylphenol

Oral LD50 1620 mg/kg (rat)

· Primary irritant effect:

• on the skin: Caustic effect on skin and mucous membranes.

• on the eye: Strong caustic effect.

· Sensitization:

Sensitization possible through inhalation.

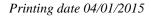
Sensitization possible through skin contact.

• Additional toxicological information:

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

Corrosive

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2B

2A

R

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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

1333-86-4 Carbon black

106-89-8 1-chloro-2,3-epoxypropane

· NTP (National Toxicology Program)

106-89-8 1-chloro-2,3-epoxypropane

· 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.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:
- Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

- Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- Danger to drinking water if even extremely 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.

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UN-Number DOT, ADR, IMDG, IATA	UN1760
UN proper shipping name	011700
DOT	Corrosive liquids, n.o.s. (nonylphenol)
ADR	1760 Corrosive liquids, n.o.s. (nonylphenol), ENVIRONMENTA
	HAZARDOUS
IMDG, IATA	CORROSIVE LIQUID, N.O.S. (nonylphenol)
Transport hazard class(es)	
DOT	
8	
Class	8 Corrosive substances
Label	8
ADR, IMDG	
AN ANY	
\checkmark \checkmark	
Class	8 Corrosive substances
Label	8
IATA	
ar 22	
0	
Class	8 Corrosive substances
Label	8
Packing group	
DOT, ADR, IMDG, IATA	III
Environmental hazards:	Product contains environmentally hazardous substant
Marine pollutant:	bisphenolA(chloro)oxirane polymer, nonylphenol Yes
munic ponumni.	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special precautions for user	Warning: Corrosive substances
ÉMS Number:	F-A,S-B
Transport in bulk according to Ann	
MARPOL73/78 and the IBC Code	Not applicable.



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	(Contd. of page
· Transport/Additional information:	
·DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
· Remarks	ORM-D CFR49-173,150,156,306
$\cdot ADR$	
\cdot Excepted quantities (EQ)	Code: El
• • • • •	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
\cdot Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN1760, Corrosive liquids, n.o.s. (nonylphenol, ENVIRONMENTALLY HAZARDOUS, 8, III

15 Regulatory information

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

· Section 355 (extremely hazardous substances):	
106-89-8 1-chloro-2,3-epoxypropane	
· Section 313 (Specific toxic chemical listings):	
107-21-1 ethanediol	
106-89-8 1-chloro-2,3-epoxypropane	
· TSCA (Toxic Substances Control Act):	
74398-71-3 CASTOR OIL GLYCIDAL ETHER	
140-31-8 2-piperazin-1-ylethylamine	
25068-38-6 bisphenolA(chloro)oxirane polymer	
67762-90-7 FUMED SILICA	
25154-52-3 nonylphenol	
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol	
107-21-1 ethanediol	
1333-86-4 Carbon black	
106-89-8 1-chloro-2,3-epoxypropane	
· Proposition 65	
· Chemicals known to cause cancer:	
74398-71-3 CASTOR OIL GLYCIDAL ETHER	
25068-38-6 bisphenolA(chloro)oxirane polymer	
107-21-1 ethanediol	
1333-86-4 Carbon black	
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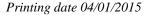
	(Contd. of page 9)
106-89-8 1-chloro-2,3-epoxypropane	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
106-89-8 1-chloro-2,3-epoxypropane	
· Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
· Cancerogenity categories	
· EPA (Environmental Protection Agency)	
106-89-8 1-chloro-2,3-epoxypropane	B2
· TLV (Threshold Limit Value established by ACGIH)	
107-21-1 ethanediol	A4
1333-86-4 Carbon black	A4
106-89-8 1-chloro-2,3-epoxypropane	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
1333-86-4 Carbon black	
106-89-8 1-chloro-2,3-epoxypropane	

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



· Signal word Danger

· Hazard-determining components of labeling: ALIPHATIC AMINE (PROPRIETARY) nonylphenol 2-piperazin-1-ylethylamine CASTOR OIL GLYCIDAL ETHER · Hazard statements H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H335 May cause respiratory irritation. · Precautionary statements P260 Do not breathe dusts or mists. P284 Wear respiratory protection. P280 Wear protective gloves. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (Contd. on page 11)



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	(Contd. of page 10)
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
· Chemical s	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: Steve Gaver (sgaver@semproducts.com)
- · Date of preparation / last revision 04/01/2015 / 3

• 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

• * Data compared to the previous version altered.