

1 Identification of substance

- **Product details**
- **Trade name:** 39977 Sound Dampening Material
- **Article number:** 39977
- **Manufacturer/Supplier:**
SEM Products, Inc.
651 Michael Wylie Dr.
Charlotte, NC 28217
USA
(704)522-1006
- **Information department:** 24HR EMERGENCY CHEMTREC 800-424-9300

2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

	EPOXY RESIN MODIFIER	25-50%
	ALIPHATIC AMINE (PROPRIETARY)	10-25%
74398-71-3	CASTOR OIL GLYCIDAL ETHER	10-25%
	MERCAPTAN TERMINATED POLYMER	2.5-10%
140-31-8	2-piperazin-1-ylethylamine	2.5-10%
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)	2.5-10%
67762-90-7	FUMED SILICA	2.5-10%
25154-52-3	nonylphenol	2.5-10%
	AMINE	2.5-10%
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	2.5-10%

3 Hazards identification

· **Hazard description:**



Toxic
Dangerous for the environment

· **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of international guidelines.

Harmful by inhalation, in contact with skin and if swallowed.

Causes burns.

Danger of very serious irreversible effects.

May cause sensitisation by inhalation and skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains epoxy constituents. See information supplied by the manufacturer.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

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· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	3	Health = *3
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

4 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.

5 Fire fighting measures

· **Suitable extinguishing agents:**

CO₂, sand, extinguishing powder. Do not use water.

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** Water

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

6 Accidental release measures

· **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.

· **Measures for environmental protection:**

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.

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

· **Measures for cleaning/collecting:**

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.

Do not flush with water or aqueous cleansing agents



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7 Handling and storage

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

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

67762-90-7 FUMED SILICA

TLV Short-term value: 10 mg/m³

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



Protective gloves

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

- **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



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9 Physical and chemical properties

· General Information

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 257°C (495°F)

· **Ignition temperature:** 315.0°C (599°F)

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

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C (68°F):** 1.08 g/cm³

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Solvent content:

Organic solvents: 0.0 %
VOC content: 3.8 g/l / 0.03 lb/gl

· **Solids content:** 99.6 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· 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)
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· 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
Irritant

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Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. (Contd. of page 4)

12 Ecological information

- **Ecotoxic effects:**
- **Remark:** Toxic for fish
- **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

13 Disposal considerations

- **Product:**
- **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

- **DOT regulations:**

· **Label** NON HAZARDOUS ADHESIVE

- **Land transport ADR/RID (cross-border):**



- **ADR/RID class:** 8 Corrosive substances
- **Danger code (Kemler):** 86
- **UN-Number:** 2922
- **Packaging group:** II
- **Label:** 8+6.1
- **Description of goods:** 2922 CORROSIVE LIQUID, TOXIC, N.O.S. (ALIPHATIC AMINE (PROPRIETARY), nonylphenol)

- **Maritime transport IMDG:**



· **IMDG Class:** 8

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- **UN Number:** 2922
- **Label** 8+6.1
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Propper shipping name:** CORROSIVE LIQUID, TOXIC, N.O.S. (ALIPHATIC AMINE (PROPRIETARY), nonylphenol)

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 2922
- **Label** 8+6.1
- **Packaging group:** II
- **Propper shipping name:** CORROSIVE LIQUID, TOXIC, N.O.S. (ALIPHATIC AMINE (PROPRIETARY), nonylphenol)

15 Regulations

· **Sara**

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

106-89-8	1-chloro-2,3-epoxypropane
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· **Section 313 (Specific toxic chemical listings):**

107-21-1	ethanediol
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106-89-8	1-chloro-2,3-epoxypropane
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· **TSCA (Toxic Substances Control Act):**

140-31-8	2-piperazin-1-ylethylamine
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25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
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25154-52-3	nonylphenol
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90-72-2	2,4,6-tris(dimethylaminomethyl)phenol
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107-21-1	ethanediol
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1333-86-4	Carbon black
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106-89-8	1-chloro-2,3-epoxypropane
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· **Proposition 65**

· **Chemicals known to cause cancer:**

74398-71-3	CASTOR OIL GLYCIDAL ETHER
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25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
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1333-86-4	Carbon black
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106-89-8	1-chloro-2,3-epoxypropane
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· **Chemicals known to cause reproductive toxicity:**

74398-71-3	CASTOR OIL GLYCIDAL ETHER
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· **Cancerogenity categories**

· EPA (Environmental Protection Agency)		
106-89-8	1-chloro-2,3-epoxypropane	B2
· IARC (International Agency for Research on Cancer)		
1333-86-4	Carbon black	2B
106-89-8	1-chloro-2,3-epoxypropane	2A
· NTP (National Toxicology Program)		
106-89-8	1-chloro-2,3-epoxypropane	R
· 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	
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Toxic
Dangerous for the environment

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

ALIPHATIC AMINE (PROPRIETARY)
2-piperazin-1-ylethylamine
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)
nonylphenol

· **Risk phrases:**

Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
Danger of very serious irreversible effects.
May cause sensitisation by inhalation and skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

Keep locked up and out of the reach of children.
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Wear suitable protective clothing, gloves and eye/face protection.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
In case of accident by inhalation: remove casualty to fresh air and keep at rest.

· **Special labeling of certain preparations:**

Contains epoxy constituents. See information supplied by the manufacturer.



Printing date 06/03/2005

Reviewed on 06/23/2004

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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 MSDS:** Environment protection department.
- **Contact:** Mr. George Wallace

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