



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

### · 1.1 Product identifier

· **Trade name:** 68442 Mini-Max Clear Fast Set Adhesive

· **Article number:** 68442

### · 1.2 Relevant identified uses of the substance or mixture and uses advised against

Primary use for automotive repair and refinish

### · Application of the substance / the mixture

Adhesives  
adhesive

### · 1.3 Details of the supplier of the safety data sheet

#### · **Manufacturer/Supplier:**

SEM Products Inc.  
1685 Overview Drive  
Rock Hill, SC 29730  
803 207 8225

#### · **Further information obtainable from:**

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

Supplier (Only representative): TSG Consulting Ltd.

Concordia House, St. James Business Park

Grimbald Crag Court

Knaresborough, North Yorkshire

HG5 8QB

United Kingdom

Tel: +44 (0) 1423 799 633

Fax: +44 (0) 1423 797 804

#### · 1.4 Emergency telephone number:

Intended solely to inform professionals in acute poisoning: NVIC (+31) 030.2748888

## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

#### · Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Carc. 1A H350i May cause cancer by inhalation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

(Contd. on page 2)



**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 1)

STOT SE 3 H335 May cause respiratory irritation.

**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**



GHS05 GHS07 GHS08

**Signal word** *Danger*

**Hazard-determining components of labelling:**

BISPHENOL F EPOXY RESIN

ethanamine, 2,2'-oxybis[N,N-dimethyl-  
Mercapan resin

TERTIARY AMINE

BISPHENOL A EPOXY RESIN

**Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H350i May cause cancer by inhalation.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P301+P310 **IF SWALLOWED:** Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

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

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:**

Mixture: consisting of the following components.

Weight Percent listed

**Dangerous components:**

CAS: 28064-14-4	BISPHENOL F EPOXY RESIN ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	30-40%
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(Contd. on page 3)



**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 2)

CAS: 88375-39-7	Mercapan resin ⚠ Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1A, H317	13-30%
CAS: 25085-99-8	BISPHENOL A EPOXY RESIN ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	10-13%
CAS: 3033-62-3 EINECS: 221-220-5	ethanamine, 2,2'-oxybis[N,N-dimethyl- ⚠ Acute Tox. 3, H311; Acute Tox. 2, H330; ⚠ Acute Tox. 4, H302	1.5-5%
CAS: 6674-22-2 EINECS: 229-713-7	1,8-diazabicyclo[5.4.0]undec-7-ene ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302	≥1.5-<5%
CAS: 52338-87-1	TERTIARY AMINE ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≥1.5-<5%
CAS: 2530-83-8 EINECS: 219-784-2	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane ⚠ Carc. 1A, H350i; Repr. 2, H361f; ⚠ Eye Dam. 1, H318	≥0.1-<1%

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

#### SECTION 4: First aid measures

##### · 4.1 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: If symptoms persist consult doctor.

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

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

No further relevant information available.

#### SECTION 5: Firefighting measures

##### · 5.1 Extinguishing media

##### · Suitable extinguishing agents:

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

##### · 5.2 Special hazards arising from the substance or mixture No further relevant information available.

##### · 5.3 Advice for firefighters

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

#### SECTION 6: Accidental release measures

##### · 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

##### · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

(Contd. on page 4)



**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 3)

- **6.3 Methods and material for containment and cleaning up:**  
 Use neutralising agent.  
 Dispose contaminated material as waste according to item 13.  
 Ensure adequate ventilation.
- **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.

\* **SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
 No special measures required.  
 Thorough dedusting.  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 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 container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

\* **SECTION 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:**  
 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 valid during the making were used as basis.
- **8.2 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 skin.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 5)



**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 4)

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*



**Protective gloves**

*For normal product use as recommended, use an unsupported Nitrile Glove that has a 3-11 minute breakthrough time, .28mm thickness. For more severe exposure such as immersion or spill cleanup, consult information from a glove supplier.*

*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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

**· Eye protection:**



**Tightly sealed goggles**

**SECTION 9: Physical and chemical properties**

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

**· General Information**

**· Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	According to product specification
<b>· Odour:</b>	Characteristic
<b>· Odour threshold:</b>	Not determined.

**· pH-value:** Not applicable.

**· Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	115 °C

**· Flash point:** 94 °C

**· Flammability (solid, gas):** Not determined.

**· Decomposition temperature:** Not determined.

**· Auto-ignition temperature:** Product is not selfigniting.

**· Explosive properties:** Product does not present an explosion hazard.  
*In use, may form flammable/explosive vapour-air mixture.*

**· Explosion limits:**

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

**· Vapour pressure:** Not applicable.

(Contd. on page 6)



**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 5)

· <b>Density at 20 °C:</b>	1.09521 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Solids content:</b>	97.7 %
· <b>9.2 Other information</b>	No further relevant information available.

### **SECTION 10: Stability and reactivity**

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

### **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity**  
Harmful if inhaled.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
May cause cancer by inhalation.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 7)



**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 6)

- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

## **SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **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.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## **SECTION 13: Disposal considerations**

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

## **SECTION 14: Transport information**

- |   |                      |
|---|----------------------|
| · <b>14.1 UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | Void                 |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void                 |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void                 |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void                 |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No                   |
| · <b>14.6 Special precautions for user</b><br>· <b>Stowage Category</b>                     | Not applicable.<br>B |

(Contd. on page 8)





**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 7)

- |  |                        |
|--|------------------------|
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | <i>Not applicable.</i> |
| · <b>UN "Model Regulation":</b>  | <i>Void</i>            |

### **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**  
*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.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

### **SECTION 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.*  
*H304 May be fatal if swallowed and enters airways.*  
*H311 Toxic in contact with skin.*  
*H314 Causes severe skin burns and eye damage.*  
*H315 Causes skin irritation.*  
*H317 May cause an allergic skin reaction.*  
*H318 Causes serious eye damage.*  
*H319 Causes serious eye irritation.*  
*H330 Fatal if inhaled.*  
*H332 Harmful if inhaled.*  
*H335 May cause respiratory irritation.*  
*H350i May cause cancer by inhalation.*  
*H361f Suspected of damaging fertility.*
- **Department issuing SDS:** *Environmental Protection Department*
- **Contact:** *Rita Joiner (rjoiner@semproducts.com)*
- **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*  
*IATA: International Air Transport Association*  
*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*  
*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)*

(Contd. on page 9)





**Trade name: 68442 Mini-Max Clear Fast Set Adhesive**

(Contd. of page 8)

*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Acute Tox. 4: Acute toxicity – Category 4*  
*Acute Tox. 3: Acute toxicity – Category 3*  
*Acute Tox. 2: Acute toxicity – Category 2*  
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Skin Sens. 1A: Skin sensitisation – Category 1A*  
*Carc. 1A: Carcinogenicity – Category 1Ai*  
*Repr. 2: Reproductive toxicity – Category 2*  
*STOT SE 3: Specific target organ toxicity (single exposure) – Category 3*  
*Asp. Tox. 1: Aspiration hazard – Category 1*

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