Section 1 - Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier
Trade Name: Part A: Free Form Air HT

1.2 Relevant identified uses of the substance or mixture and uses advised against
General Use: Formulated Epoxy Resin
Restrictions on Use: None known

1.3 Details of the supplier of the safety data sheet:
Company: Smooth-On, Inc.,
5600 Lower Macungie Rd., Macungie, PA 18062
Telephone: Phone (610) 252-5800
E-mail address: Visit our website at www.smooth-on.com or email www.sds@smooth-on.com

1.4 Emergency Contact:
Chem-Tel Domestic: 800-255-3924 International: 813-248-0585

Section 2 – Hazard(s) Identification

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)
H315 Skin Corrosion/Irritation – Category 2
H317 Skin Sensitization – Category 1
H319 Eye Irritation – Category 2A
H412 Chronic Aquatic Toxicity - Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram(s):
Signal word: Warning

Health Hazards
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation

Environmental Hazards
H412 Harmful to aquatic life with long lasting effects

General Precautions
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Prevention Precautions
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash with soap and water thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response Precautions**
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Disposal Precautions:**
P501 Dispose of contents/container according to local, state and federal laws.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none known

#### Section 3 - Composition / Information on Ingredients

**3.1 Substances/Mixtures**
The following ingredients are hazardous according to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200:

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Classification</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol-formaldehyde polymer glycidyl ether</td>
<td>Skin Sens. 1; H317</td>
<td>50 – 60</td>
</tr>
<tr>
<td>2-Ethyl-2-(hydroxymethyl)-1,3- Propanediol polymer with (chloromethyl)oxirane</td>
<td>Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; Aquatic Chronic 3; H315, H317, H319, H412</td>
<td>20 – 30</td>
</tr>
</tbody>
</table>

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Section 4 - First Aid Measures

**4.1 Description of first aid measures**

**Inhalation**
Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

**Eye Contact**
Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact**
In case of skin contact, wash thoroughly with soap and water.

**Ingestion**
Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**
None known.
4.3 Indication of any immediate medical attention and specific treatment needed
None known.

Section 5 - Fire-Fighting Measures

5.1 Extinguishing Media
Water Fog, Dry Chemical, and Carbon Dioxide Foam

5.2 Special hazards arising from the substance or mixture
None known.

5.3 Advice for firefighters
Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off “fuel” to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

6.2 Environmental precautions
Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains or unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. No special environmental precautions required.

6.3 Methods and material for containment and cleaning up
Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely. Follow applicable OSHA regulations (29 CFR 1910.120) for disposal.

6.4 Reference to other sections
See Section 3 for list of Hazardous Ingredients; Sections 8 for Exposure Controls; and Section 13 for Disposal.

Section 7 - Handling and Storage

7.1 Precautions for safe handling
Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities
Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet local standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.
7.3  **Specific end use(s)**
These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.

---

**Section 8 - Exposure Controls / Personal Protection**

**8.1  Control parameters**
None defined

**8.2  Exposure controls**

**Respiratory Protection**
Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges as a backup to engineering controls.

**Hand Protection**
Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

**Eye Protection**
Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Other Protective Clothing/Equipment**
Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

**Comments**
Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

---

**Section 9 - Physical and Chemical Properties**

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Odor:</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>No data</td>
</tr>
<tr>
<td>pH:</td>
<td>No data</td>
</tr>
<tr>
<td>Melting / freezing point:</td>
<td>No data</td>
</tr>
<tr>
<td>Low / high boiling point:</td>
<td>No data</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>&gt;300°F</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>No data</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>No data</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits:</td>
<td>No data</td>
</tr>
</tbody>
</table>
Section 10 - Stability and Reactivity

10.1 Reactivity
No hazardous reactions if stored and handled as prescribed/indicated. No corrosive effect on metal. Not fire propagating.

10.2 Chemical stability
These products are stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions
Hazardous polymerization cannot occur.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Strong bases and acids.

10.6 Hazardous decomposition products
Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

Section 11- Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol-formaldehyde polymer glycidyl ether</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;2,000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>&gt;2,000 mg/kg</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation
Brief contact may cause slight skin irritation with local redness.

Serious Eye Damage/Irritation
May cause slight temporary eye irritation. Corneal injury is unlikely.

Respiratory/Skin Sensitization
Maximisation Test - Guinea pig
May cause sensitisation by skin contact.
(OECD Test Guideline 406)

Germ Cell Mutagenicity
No data available

Carcinogenicity
No component of these products present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH or NTP.

Reproductive Toxicity
No data available

Specific Target Organ Toxicity – Single Exposure
No data available

Specific Target Organ Toxicity – Repeated Exposure
No data available

Aspiration Hazard
No data available

Potential Health Effects – Miscellaneous
No data available

### Section 12 - Ecological Information

#### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol-formaldehyde polymer glycidyl ether</td>
<td>LC50</td>
<td>Leuciscus idus (Golden orfe)</td>
<td>96 h</td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td>Daphnia magna (Water flea)</td>
<td>48 h</td>
</tr>
</tbody>
</table>

#### 12.2 Persistence and Degradability
Not readily biodegradable.

#### 12.3 Bioaccumulative Potential
No data available

#### 12.4 Mobility in Soil
No data available

#### 12.5 Results of PBT and vPvB assessment
No data available

#### 12.6 Other Adverse Effects
No data available

### Section 13 - Disposal Considerations

#### 13.1 Waste treatment methods
Under Resource Conservation and Recovery Act (RCRA) it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste as defined in 40 CFR Part 261. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

### Section 14 - Transport Information

Not regulated by DOT / IMDG / IATA
15.1 Safety health and environmental regulations/legislation specific for the substance or mixture:


This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorization List for Substances of Very High Concern (SVHC).

In the United States (EPA Regulations)

TSCA Inventory Status (40 CFR710)

All components of this formulation are listed in the TSCA Inventory. No component of this formulation has been determined to be subject to manufacturing or use restrictions under the Significant New Use Rules (SNURs).

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

SARA 311/312 Hazards

None

KEEP OUT OF REACH OF CHILDREN

WARNING: Known to the State of CA to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance/mixture by the supplier.
Disclaimer
The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.


Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.
Section 1 - Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier
Trade Name: Part B: Free Form Air HT

1.2 Relevant identified uses of the substance or mixture and uses advised against
General Use: Formulated Epoxy Resin
Restrictions on Use: None known

1.3 Details of the supplier of the safety data sheet:
Company: Smooth-On, Inc., 5600 Lower Macungie Rd., Macungie, PA 18062
Telephone: Phone (610) 252-5800
E-mail address: Visit our website at www.smooth-on.com or email www.sds@smooth-on.com

1.4 Emergency Contact: Chem-Tel Domestic: 800-255-3924 International: 813-248-0585

Section 2 – Hazard(s) Identification

2.1 Classification of the substance or mixture:
GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

H314 Skin Corrosion/Irritation – Category 1B
H317 Skin Sensitization – Category 1
H373 Specific Target Organ Toxicity, repeated exposure – Category 2

2.2 GHS Label elements, including precautionary statements

Pictogram(s):
Signal word: Danger

Health Hazards
H314 Causes severe skin burns and eye damage irritation.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

General Precautions
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Prevention Precautions
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash with soap and water thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautions
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.
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 or doctor/physician.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.

Disposal Precautions:
P501 Dispose of contents/container according to local, state and federal laws.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none known

Section 3 - Composition / Information on Ingredients

3.1 Substances/Mixtures
The following ingredients are hazardous according to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200:

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Classification</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenebiscyclohexanamine, 4,4’-</td>
<td>Acute Tox. 4; Skin Corr. 1B; Skin Sens.1; STOT RE 2; H302, H314, H317, H373</td>
<td>50 – 60</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
Remove source(s) of contamination and move victim to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact physician immediately.

Eye Contact
Flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin Contact
In case of skin contact, wash thoroughly with soap and water.

Ingestion
Do not induce vomiting unless instructed by a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
Eye disease. Skin disorders and Allergies. Liver disorders.

4.3 Indication of any immediate medical attention and specific treatment needed
None known.
Section 5 - Fire-Fighting Measures

5.1 Extinguishing Media
   Water Fog, Dry Chemical, and Carbon Dioxide Foam

5.2 Special hazards arising from the substance or mixture
   None known.

5.3 Advice for firefighters
   Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off “fuel” to fire. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Try to cover liquid spills with foam. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure demand or positive-pressure mode.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
   Only properly protected personnel should remain in the spill area; dike and contain spill. Stop or reduce discharge if it can be done safely.

6.2 Environmental precautions
   Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains or unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. No special environmental precautions required.

6.3 Methods and material for containment and cleaning up
   Put on appropriate protective gear including NIOSH/MSHA approved self-contained breathing apparatus, rubber boots and heavy rubber gloves. Dike and contain spill; absorb or scrape up excess into suitable container for disposal; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely. Follow applicable OSHA regulations (29 CFR 1910.120) for disposal.

6.4 Reference to other sections
   See Section 3 for list of Hazardous Ingredients; Sections 8 for Exposure Controls; and Section 13 for Disposal.

Section 7 - Handling and Storage

7.1 Precautions for safe handling
   Use good general housekeeping procedures. Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities
   Keep container(s) tightly closed and properly labeled. Store in cool, dry, well ventilated place away from heat, direct sunlight, strong oxidizers and any incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet local standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous. Avoid water contamination.

7.3 Specific end use(s)
   These precautions are for room temperature handling. Other uses including elevated temperatures or aerosol/spray applications may require added precautions.
Section 8 - Exposure Controls / Personal Protection

8.1 Control parameters
None known.

8.2 Exposure controls

Respiratory Protection
Respiratory protection is not normally required when using this product with adequate local exhaust ventilation. Where risk assessment shows air-purifying respirators are appropriate, follow OSHA respirator regulations 29 CFR 1910.134 and European Standards EN 141, 143 and 371; wear an MSHA/NIOSH or European Standards EN 141, 143 and 371 approved respirators equipped with appropriate filter cartridges as a backup to engineering controls.

Hand Protection
Wear any liquid-tight gloves such as butyl rubber, neoprene or PVC.

Eye Protection
Safety glasses with side shields per OSHA eye- and face-protection regulations 29 CFR 1910.133 and European Standard EN166. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Other Protective Clothing/Equipment
Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

Comments
Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wash thoroughly after handling.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data</td>
</tr>
<tr>
<td>pH</td>
<td>No data</td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No data</td>
</tr>
<tr>
<td>Low / high boiling point</td>
<td>No data</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;300°F</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>No data</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data</td>
</tr>
<tr>
<td>Viscosity</td>
<td>5,000 – 20,000 centipoise</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1, at 4 ºC)</td>
<td>0.51</td>
</tr>
</tbody>
</table>

Section 10 - Stability and Reactivity

10.1 Reactivity
No hazardous reactions if stored and handled as prescribed/indicated., No corrosive effect on metal. Not fire propagating.
10.2 Chemical stability
These products are stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions
Hazardous polymerization cannot occur

10.4 Conditions to avoid
None known

10.5 Incompatible materials
Strong bases and acids

10.6 Hazardous decomposition products
Thermal oxidative decomposition can produce carbon oxides, gasses/vapors, and traces of incompletely burned carbon compounds.

Section 11- Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenebiscyclohexanamine, 4,4' -</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>625 mg/kg</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>2110 mg/kg</td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation
Brief contact may cause skin burns.

Serious Eye Damage/Irritation
Causes eye burns. May cause blindness. Severe eye irritation.

Respiratory/Skin Sensitization
The results of a test on guinea pigs showed this substance to be a weak skin sensitizer. May cause sensitization of susceptible persons by skin contact.

Germ Cell Mutagenicity
Not mutagenic in ANIES Test.

Carcinogenicity
No component of these products present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIH or NTP.

Reproductive Toxicity
No data available

Specific Target Organ Toxicity – Single Exposure
No data available

Specific Target Organ Toxicity – Repeated Exposure
May cause damage to organs through prolonged or repeated exposure if swallowed.
Aspiration Hazard
No data available

Potential Health Effects – Miscellaneous
No data available

### Section 12 - Ecological Information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylenebiscyclohexanamine, 4,4’-</td>
<td>LC50</td>
<td>&gt;100 mg/l</td>
<td>Golden orfe (Leuciscus idus)</td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td>6.84 mg/ml</td>
<td>Daphnia magna (Water flea)</td>
</tr>
<tr>
<td></td>
<td>NOEC</td>
<td>4.0 mg/l</td>
<td>Daphnia</td>
</tr>
<tr>
<td></td>
<td>EC50</td>
<td>140 - 200 mg/l</td>
<td>Algae</td>
</tr>
</tbody>
</table>

12.2 Persistence and Degradability
Not readily biodegradable.

12.3 Bioaccumulative Potential
No data available

**Bioaccumulation**
Low bioaccumulation potential.

12.4 Mobility in Soil
No data available

12.5 Results of PBT and vPvB assessment
No data available

12.6 Other Adverse Effects
No data available

### Section 13 - Disposal Considerations

13.1 Waste treatment methods
Under Resource Conservation and Recovery Act (RCRA) it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste as defined in 40 CFR Part 261. Waste management should be in full compliance with federal, state and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore to not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

### Section 14 - Transport Information

14.1 UN number
DOT: - 3259
IMDG: - 3259
IATA: - 3259

14.2 UN proper shipping name
DOT: Amines, solid, corrosive, n.o.s., (4,4-Methylenebiscyclohexanamine)
IMDG: Amines, solid, corrosive, n.o.s., (4,4-Methylenebiscyclohexanamine)
IATA: Amines, solid, corrosive, n.o.s., (4,4-Methylenebiscyclohexanamine)
14.3 Transport hazard class(es)
DOT: - 8   IMDG: - 8   IATA: - 8

14.4 Packing group
DOT: - II   IMDG: - II   IATA: - II

14.5 Environmental hazards
DOT: - NA   IMDG: - NA   IATA: - NA

14.6 Special precautions for user
No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable

Section 15 - Regulatory Information

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture:

This product complies with REACH or is not subject to regulation under REACH. The product does not contain an ingredient listed on either the Candidate List or Authorization List for Substances of Very High Concern (SVHC).

In the United States (EPA Regulations)

TSCA Inventory Status (40 CFR710)
All components of this formulation are listed in the TSCA Inventory. No component of this formulation has been determined to be subject to manufacturing or use restrictions under the Significant New Use Rules (SNURs).

CERCLA Hazardous Substance List (40 CFR 302.4)
None known.

SARA 302 Components
None known.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and community Right-to-Know Act of 1986) Sections 311 and 312
Immediate (Acute)

KEEP OUT OF REACH OF CHILDREN

WARNING: Known to the State of CA to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

16 - Other Information

Abbreviations and acronyms
ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS-Chemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIP-Chemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA-Emergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ-Texas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer
The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Smooth-On Inc., it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.


Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.