



# Safety Data Sheet

SDS No. 644A

## Section 1 - Identification

- 1.1 Product Identifier:** Part A for Brush-On® 40, 50, 60; EZ-Mix® 40; Formlastic™ 48; PMC® 121-30, PMC®-744, PMC®-746, PMC®-770, PMC®-790, PMC®-844; Renew™ UR-40, UR-90; Reoflex® 20, 30, 40; UreCoat®; Urethane 4400; Vytaflex® 10, 20, 30, 40
- 1.2 General Use:** Polyurethane Elastomer
- 1.3 Manufacturer:** Smooth-On, Inc.,  
5600 Lower Macungie Rd., Macungie, PA 18062  
Phone (610) 252-5800, 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:**
- H302** Acute toxicity, oral - Category 4
  - H312** Acute toxicity, dermal - Category 4
  - H332** Acute toxicity, inhalation - Category 4
  - H315** Skin irritation - Category 2
  - H319** Eye irritation - Category 2A
  - H335** Specific target organ toxicity-single exposure - Category 3 (respiratory)
  - H351** Carcinogenicity - Category 2
- 2.2 GHS Label elements, including precautionary statements**

**Pictogram(s):****Signal word:** Warning**Health Hazards:**

- H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation

**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.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response Precautions:**

- P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor/physician if you feel unwell.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.



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- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTRE/doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing.
- Storage Precautions:**
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- Disposal Precautions:**
- P501 Dispose of contents/container according to local, state and federal laws.

**Hazards not otherwise classified (HNOC) or not covered by GHS** – Lachrymator.  
This product contains a chemical known to be hazardous according to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). (See also Section 3 and 15)

## Section 3 - Composition / Information on Ingredients

### 3.1 Substances

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

Component	CAS #	Concentration (%wt)
Poly[oxy(methyl-1,2-ethanediyl)], $\alpha$ -hydro- $\Omega$ -hydroxy, polymer with 1,3 diisocyanatomethylbenzene	9057-91-4	> 90
Toluene-2,4-diisocyanate	584-84-9	< 1.0
Toluene-2,6-diisocyanate	91-08-7	< 0.2

## 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 After first aid, get appropriate in-plant, paramedic, or community medical support.**

## 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



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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 OSHA 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:

Toluene-2,6-diisocyanate	91-08-7	ACGIH TLV	TWA: 0.001 ppm STEL: 0.005 ppm
Toluene-2,4-diisocyanate	584-84-9	OSHA PEL	CLV: 0.02 ppm 0.14 mg/m <sup>3</sup> TWA: 0.005 ppm 0.04 mg/m <sup>3</sup> STEL: 0.02 ppm 0.15 mg/m <sup>3</sup>
		ACGIH TLV	TWA: 0.001 ppm STEL: 0.005 ppm



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## 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:

**Appearance:** Clear yellow viscous liquid

**Odor/Threshold:** Sharp pungent odor

**pH:** N.A. (non-aqueous)

**Melting Point/Freezing Point:** N.A.

**Low/High Boiling Point:** N.A.

**Flash Point:** >270°F

**Evaporation Rate:** Not available

**Flammability:** f.p. at or above 200 °F

**UEL/LEL:** Not available

**Vapor Pressure:** None (Polymeric Resin)

**Vapor Density (Air=1):** >1

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.04

**Water Solubility:** Negligible

**Partition coefficient:** Not available

**Auto-ignition temperature:** Not available

**Decomposition temperature:** Not available

**Viscosity:** <5,000 centipoise

**% Volatile:** 0% (v/v), 0% (w/w)

## 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:

**Skin Corrosion/Irritation:** no data

**Serious Eye Damage/Irritation:** no data

**Respiratory/Skin Sensitization:** no data

**Germ Cell Mutagenicity:** no data

**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.



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**Reproductive Toxicity:** no data  
**Specific Target Organ Toxicity – Single Exposure:** no data  
**Specific Target Organ Toxicity – Repeated Exposure:** no data  
**Aspiration Hazard:** no data  
**Acute Toxicity:** no data  
**Chronic Exposure:** no data  
**Potential Health Effects – Miscellaneous:** no data

### Section 12 - Ecological Information

- 12.1 **Toxicity:** no data
- 12.2 **Persistence and Degradability:** no data
- 12.3 **Bioaccumulative Potential:** no data
- 12.4 **Mobility in Soil:** no data
- 12.5 **Results of PBT and vPvB assessment:** no data
- 12.6 **Other Adverse Effects:** no data

### 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, IATA or IMDG**

- 14.1 **UN number:** none
- 14.2 **UN proper shipping name:** none
- 14.3 **Transport hazard class(es):** not applicable
- 14.4 **Packing group:** not applicable
- 14.5 **Environmental hazards:** none known
- 14.6 **Special precautions for user:** none known
- 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:**

**REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016):** 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).



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**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 (40 CFR 302.4)** listed specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

<u>Chemical Name</u>	<u>CAS#</u>	<u>RQ</u>	<u>% Reportable Component</u>
Toluene-2,6-diisocyanate	91-08-7	100 lbs.	<0.2
Toluene-2,4-diisocyanate	584-84-9	100 lbs	<1.0

**SARA EHS (Extremely Hazardous Substance) (40 CFR 355):**

<u>Chemical Name</u>	<u>CAS #</u>	<u>RQ</u>	<u>% by Weight</u>
Toluene-2,6-diisocyanate	91-08-7	100 lbs.	<0.2
Toluene-2,4-diisocyanate	584-84-9	100 lbs	<1.0

These products contain the following chemicals that are subject to release reporting requirements under section 313 of SARA Title III.

<u>Chemical Name</u>	<u>CAS #</u>	<u>RQ</u>	<u>% by Weight</u>
Toluene-2,6-diisocyanate	91-08-7	100 lbs.	<0.2
Toluene-2,4-diisocyanate	584-84-9	100 lbs	<1.0

**SARA 311/312 Hazards:** Fire, Immediate (Acute), Delayed (Chronic)

**California Proposition 65: WARNING:** This product contains chemicals known to the state of California to cause cancer.

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



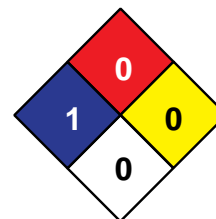


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## 16 - Other Information

HMIS	
H	1
F	0
R	0



NFPA

Revision: 9

Date Prepared: March 9, 2017

**Glossary:** 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; LEL-Lower Explosion Level; 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; UEL-Upper Explosion Level; 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.

This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH).

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.



# Safety Data Sheet

SDS No. 470B

## Section 1 - Identification

- 1.1 **Product Identifier:** Part B for: EZ-Mix® 40; PMC®121-50 Wet, PMC®780 Dry and Wet, PMC®-790; Renew™ UR-80, UR-90
- 1.2 **General Use:** Polyurethane Elastomer
- 1.3 **Manufacturer:** Smooth-On, Inc.,  
5600 Lower Macungie Rd., Macungie, PA 18062  
Phone (610) 252-5800, 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:**
- H300 Acute Toxicity, oral - Category 2
  - H310 Acute Toxicity, dermal – Category 1
  - H330 Acute Toxicity, inhalation – Category 2
  - H351 Carcinogenicity-Category 2
  - H360 Reproductive Toxicity - Category 1B
  - H373 Specific Target Organ Toxicity, repeated exposure – Category 2
  - H400 Acute Aquatic Toxicity - Category 1
  - H410 Chronic Aquatic Toxicity – Category 1
- 2.2 **GHS Label elements, including precautionary statements**



**Pictogram(s):**

**Signal word:** Danger

### Health Hazards:

- H300 Fatal if swallowed.
- H310 Fatal in contact with skin.
- H330 Fatal if inhaled.
- H351 Suspected of causing cancer.
- H360 May damage fertility or the unborn child.
- H373 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic 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:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P262 Take off contaminated clothing.
- P264 Wash with soap and water thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.





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- P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.

**Response Precautions:**

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P361 Take off immediately all contaminated clothing.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.

**Storage Precautions:**

- P405 Store locked up.

**Disposal Precautions:**

- P501 Dispose of contents/container according to local, state and federal laws.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

This product contains a chemical known to be hazardous according to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). (See also Section 3 and 15)

## Section 3 - Composition / Information on Ingredients

**3.1 Substances**

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

CAS #	Component	Concentration
104-60-9	Phenylmercuric oleate (C <sub>24</sub> H <sub>38</sub> HgO <sub>2</sub> )	<0.90%
28553-12-0	Diisononyl phthalate	5% - 50%

## 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 After first aid, get appropriate in-plant, paramedic, or community medical support.**

## 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



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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 OSHA 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:

Component	Value	Control Parameters	Basis
Phenylmercuric oleate (as mercury)	TWA	0.01 mg/m <sup>3</sup>	NIOSH
	STEL	0.03 mg/m <sup>3</sup>	NIOSH
	TWA	0.01 mg/m <sup>3</sup>	NIOSH, OSHA
	C	0.04 mg/m <sup>3</sup>	OSHA
	IDLH	2 mg/m <sup>3</sup> (as Hg)	NIOSH



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### 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:

**Appearance:** Clear to amber liquid  
**Odor/Threshold:** Sharp pungent odor  
**pH:** N.A. (non-aqueous)  
**Melting Point/Freezing Point:** N.A.  
**Low/High Boiling Point:** N.A.  
**Flash Point:** >390 °F  
**Evaporation Rate:** Not available  
**Flammability:** f.p. at or above 200 °F  
**UEL/LEL:** Not available

**Vapor Pressure:** None (Polymeric Resin)  
**Vapor Density (Air=1):** >1  
**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.0 – 1.05  
**Water Solubility:** Insoluble  
**Partition coefficient:** Not available  
**Auto-ignition temperature:** Not available  
**Decomposition temperature:** Not available  
**Viscosity:** 300 - 500 centipoise  
**% Volatile:** Nil

## 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:

**Skin Corrosion/Irritation:** no data  
**Serious Eye Damage/Irritation:** no data  
**Respiratory/Skin Sensitization:** no data  
**Germ Cell Mutagenicity:** no data



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**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

**Specific Target Organ Toxicity – Single Exposure:** no data

**Specific Target Organ Toxicity – Repeated Exposure:** no data

**Aspiration Hazard:** no data

**Acute Toxicity:** no data

**Chronic Exposure:** no data

**Potential Health Effects – Miscellaneous:** no data

### Section 12 - Ecological Information

- 12.1 **Toxicity:** no data
- 12.2 **Persistence and Degradability:** no data
- 12.3 **Bioaccumulative Potential:** no data
- 12.4 **Mobility in Soil:** no data
- 12.5 **Results of PBT and vPvB assessment:** no data
- 12.6 **Other Adverse Effects:** no data

### 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, IATA or IMDG**

- 14.1 **UN number:** none
- 14.2 **UN proper shipping name:** none
- 14.3 **Transport hazard class(es):** not applicable
- 14.4 **Packing group:** not applicable
- 14.5 **Environmental hazards:** none known
- 14.6 **Special precautions for user:** none known
- 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:**

**REACH: Regulation (EC) No 1907/2006 of The European Parliament and of The Council of December 2006 (including amendments and corrigenda as of 17 February 2016):** 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):**



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**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.

104-60-9 Mercury as part of Phenylmercuric oleate (C<sub>24</sub>H<sub>38</sub>HgO<sub>2</sub>) <0.90%

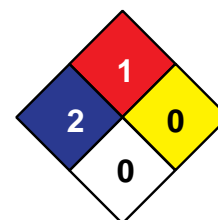
**SARA 311/312 Hazards:** Immediate (Acute), Delayed (Chronic)

**California Proposition 65: WARNING:** This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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

## 16 - Other Information

HMIS	
H	2
F	1
R	0

**NFPA****Revision:** 8**Date Prepared:** August 3, 2017

**Glossary:** 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; LEL-Lower Explosion Level; 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; UEL-Upper Explosion Level; 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.



GHS Compliant

## Safety Data Sheet

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This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH).

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.