



# Safety Data Sheet

SDS No. 1135

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Ultimate<sup>®</sup> Blood Thixo**General Use:** Liquid Pigment Dispersion Additive**Manufacturer:** Smooth-On, Inc.,

5600 Lower Macungie Rd., Macungie, PA 18062

Phone (610) 252-5800, FAX (610) 252-6200

**Emergency Contact:** Chem-Tel

Domestic: 800-255-3924 International: 813-248-0585

## Section 2 - Hazards Identification

### Classification of the substance or mixture

Eye irritation – Category 1

Reproductive toxicity – Category 2

### GHS Label elements, including precautionary statements

**Pictogram(s):****Signal Word:** Danger

Health Hazards:	H318	Causes serious eye damage
	H361	Suspected of damaging fertility or the unborn child.
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.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautions:	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308 + P313	IF exposed or concerned: Get medical advice/ attention.
	P310	Immediately call a POISON CENTER or doctor/physician.
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 – none**

### Section 3 - Composition / Information on Ingredients

The following ingredients are hazardous according to OSHA criteria:

CAS	Component	Concentration
541-02-6	Decamethylcyclopentasiloxane	5% - 10%
24938-91-8	Polyoxyethylene tridecyl ether	5% - 10%
556-67-2	Octamethylcyclotetrasiloxane	0.1% - 1%

### Section 4 - 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:** Causes serious eye damage. Flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens. Seek medical attention immediately.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water. Get medical attention if symptoms occur.

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

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

### Section 5 - Fire-Fighting Measures

**Flammable Classification:** Non-Flammable

**Extinguishing Media:** Water Fog, Dry Chemical, and Carbon Dioxide Foam

**Unusual Fire or Explosion Hazards:** None known.

**Fire-Fighting Instructions:** 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.

**Further information:** 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

**Spill /Leak procedures:** Only properly protected personnel should remain in the spill area; dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely.

**Environmental precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage is safe to do so. Prevent spreading over a wide area by containment or oil barriers. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

### Section 7 - Handling and Storage

**Handling Precautions:** Use only with adequate ventilation. Avoid inhalation of vapor or mist. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Use good general housekeeping procedures. Wash hands after use.

**Storage Requirements:** 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 and properly marked 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 strong oxidizing agents.

### Section 8 - Exposure Controls / Personal Protection

Component	CAS	Value type	Parameter
Decamethylcyclopentasiloxane	541-02-6	TWA	10 ppm
Octamethylcyclotetrasiloxane	556-67-2	TWA	10 ppm

**Engineering Measures:** Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. Dust formation may be relevant in the processing of this product. In addition to substance specific occupational exposure limits. OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> – total dust, 5 mg/m<sup>3</sup> – respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> – respirable particles, 10 mg/m<sup>3</sup> inhalable particles.

**Respiratory Protection:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above the recommended limits or are unknown, 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 organic vapor cartridges.

**Hand Protection:** Wear any chemically-resistant gloves.

**Eye Protection:** Chemical resistant goggles must be worn. If splashes are likely to occur, wear face shield. 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

<b>Appearance :</b> White/Light Yellow liquid	<b>Vapor Pressure:</b> None (Polymeric Resin)
<b>Odor/Threshold:</b> characteristic odor	<b>Vapor Density (Air=1):</b> >1
<b>pH:</b> N.A. (non-aqueous)	<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.11
<b>Melting Point/Freezing Point:</b> N.A.	<b>Water Solubility:</b> Insoluble
<b>Low/High Boiling Point:</b> 212 °F	<b>Partition coefficient:</b> Not available
<b>Flash Point:</b> >200 °F	<b>Auto-ignition temperature:</b> Not available
<b>Evaporation Rate:</b> Not available	<b>Decomposition temperature:</b> Not available
<b>Flammability:</b> f.p. at or above 200 °F	<b>Viscosity:</b> 2000 centipoise
<b>UEL/LEL:</b> Not available	<b>% Volatile:</b> Nil

### Section 10 - Stability and Reactivity

**Stability:** These products are stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Oxidizing agents.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce carbon oxides and traces of incompletely burned carbon compounds, and formaldehyde.

### Section 11- Toxicological Information

**Skin Corrosion/Irritation:** No skin irritation (rabbit)

**Serious Eye Damage/Irritation:** polyoxyethylene tridecyl ether: irreversible effects on eye (rabbit)

**Respiratory/Skin Sensitization:** no data

**Germ Cell Mutagenicity:** Animal testing did not show any mutagenic effects.

**Carcinogenicity:**

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP.

**Reproductive Toxicity:** AMES Test: Negative; some evidence of adverse effects on sexual function and fertility based on animal experiments:

octamethylcyclotetrasiloxane: Test type: Two-generation reproduction toxicity data  
Species: Rat, male and female  
Application Route: inhalation (vapor)  
Symptoms: Effects on fertility (based on test data)

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

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

**Aspiration Hazard:** no data

**Acute Toxicity:** Acute oral toxicity estimate: >5,000 mg/kg (calculated)

**Chronic Exposure:** no data

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

### Section 12 - Ecological Information

**Toxicity:** no data

**Persistence and Degradability:** no data

**Bioaccumulative Potential:** no data

**Mobility in Soil:** no data

**Other Adverse Effects:** no data

### Section 13 - Disposal Considerations

**Disposal:** Under 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. 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

**DOT**

**Not Regulated**

**IATA**

**Not Regulated**

**IMDG**

**Not Regulated**

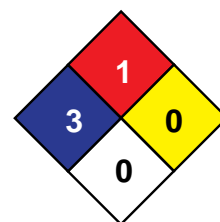
## Section 15 - Regulatory Information

**TSCA Inventory Status (40 CFR710):** All components of this formulation are listed in the TSCA Inventory.

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

## 16 - Other Information

HMIS	
H	3
F	1
R	0



**NFPA**

**Version:** 4

**Date Prepared:** July 8, 2015

**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.