



Safety Data Sheet

SDS No. 368A

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: NOVOCS® Gloss**General Use:** Silicone Solvent**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

Flammable liquids – Category 2

Acute aquatic toxicity – Category 1

Chronic aquatic toxicity – Category 1

GHS Label elements, including precautionary statements

**Pictograms:****Signal Word:** Danger

Physical Hazards:	H225	Highly flammable liquid and vapor
Environmental Hazards:	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:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233	Keep container tightly closed.
	P240	Ground and bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting equipment.
	P242	Use non-sparking tools.
	P243	Take action to prevent static discharges.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response Precautions:	P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
	P391	Collect spillage.

Storage	P403 + P235	Store in a well-ventilated place. Keep cool.
Precautions:		
Disposal	P501	Dispose of contents/container according to local, state and federal laws.
Precautions:		

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
107-46-0	Hexamethyldisiloxane	≤100%

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: 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.

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

Section 5 - Fire-Fighting Measures

Flammable Classification: Flammable

Extinguishing Media: Water Fog, Alcohol-Resistant Foam, Dry Chemical, and Carbon Dioxide Foam

Unusual Fire or Explosion Hazards: Fire burns more vigorously than would be expected. Vapors are heavier than air and can travel along ground to remote ignition sources. Electrostatic charges may be generated during transfer of product from its container. Ensure all equipment is electrically grounded.

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; wash area with dilute ammonia solution. Stop or reduce discharge if it can be done safely.

Environmental precautions: Prevent spillage from reaching drains and waterways. Volatile siloxanes rapidly evaporate into the atmosphere, where they degrade. They do not persist in water or soil.

Section 7 - Handling and Storage

Handling Precautions: Use good general housekeeping procedures. Use with adequate ventilation. Avoid eye contact. Avoid skin contact. Avoid breathing vapor. 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 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.

Section 8 - Exposure Controls / Personal Protection

Respiratory Protection: Suitable respiratory protection should be worn when using this product in large quantities, or confined spaces. Should a respirator be needed, 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 chemically resistant 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

Appearance : colorless liquid
Odor/Threshold: characteristic odor
pH: N.A. (non-aqueous)
Melting Point/Freezing Point: -90.4 °F
Low/High Boiling Point: 214 °F
Flash Point: 33.1 °F
Evaporation Rate: Not available
Flammability: flammable
UEL/LEL: 0.5%(V)/21.8%(V)

Vapor Pressure: 33 mmHg @ 68 °F
Vapor Density (Air=1): 5.61
Specific Gravity (H₂O=1, at 4 °C): 0.76
Water Solubility: 0.0006 g/l
Partition coefficient: log Pow: 4.76
Auto-ignition temperature: 665.6 °F
Decomposition temperature: Not available
Viscosity: < 1 centipoise
% Volatile: 100%

Section 10 - Stability and Reactivity

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong bases, strong acids, strong oxidizing agents.

Hazardous Decomposition Products: No data available.

Section 11- Toxicological Information

Skin Corrosion/Irritation: Mild skin irritation (rabbit, 24 h)

Serious Eye Damage/Irritation: Mild eye irritation (rabbit, 24 h)

Respiratory/Skin Sensitization: no data

Germ Cell Mutagenicity: Not mutagenic in Ames Test (histidine reversion)

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC; or as a carcinogen or potential carcinogen by ACGIH, NTP, or OSHA.

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:

LC50 Oral: > 5,000 mg/kg (rat)

LC50 Inhalation: 106,000 mg/m³ (rat, 4 h)

LD50 Dermal: >5,000 mg/kg (rabbit)

Chronic Exposure: no data

Potential Health Effects – Miscellaneous: Prolonged or repeated exposure to skin causes defatting and dermatitis. Dizziness. Stomach irregularities.

Section 12 - Ecological Information

Toxicity:

LC50 *Oncorhynchus mykiss* (rainbow trout) – 0.46 mg/l (96 h)

EC50 *Daphnia magna* (water flea) – no toxicity at the limit of solubility (24 h)

EC50 *Pseudokirchneriella subcapitata* (green algae) – 0.22 mg/l (95 h)

NOEC *Pseudokirchneriella subcapitata* (green algae) – 0.01 mg/l (70 h)

Persistence and Degradability: readily biodegradable

Bioaccumulative Potential: Bioconcentration Factor (BCF): 1,100 – 2,400 (OECD TG 305C)

Mobility in Soil: no data

Other Adverse Effects: Very toxic to aquatic life with long lasting effects.

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

IATA

IMDG

Proper shipping name:

Flammable liquids, n.o.s.
(hexamethyldisiloxane)

UN: 1993

HC: 3 **PG:** II

Proper shipping name:

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Proper shipping name:

Flammable liquids, n.o.s.
(hexamethyldisiloxane)

UN: 1993

HC: 3 **PG:** II

EMS-No: F-E. S-E

Section 15 - Regulatory Information

TSCA Inventory Status (40 CFR 710): All components of this formulation are listed in the TSCA Inventory.

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

SAR 313 Components: This material does not contain any chemical

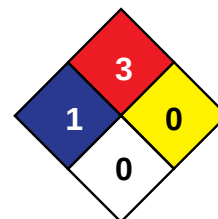
Right-To-Know Components:

CAS	Component	State
107-46-0	Hexamethyldisiloxane	NJ, PA

California Proposition 65: This product does not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

16 - Other Information

HMIS	
H	1
F	3
R	0

**Revision 2**

Date Prepared: May 7, 2015

NFPA

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.