



SAFETY DATA SHEET

SDS No. 368A

according to Regulation (EC)

No. 1907/2006 as amended

Version 1 Revision Date 11/22/2017

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

1.1 Product Identifier

Trade Name: **NOVOCS® Gloss**

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

General Use: Silicone Solvent

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 of person responsible for the SDS: Visit our website at www.smooth-on.com or email sds@smooth-on.com

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

National Poisons Information Center (NPIC) in Ireland

Tel: +353 1 8092566, email: npicdublin@beaumont.ie, website: www.poisons.ie

Section 2 – Hazard(s) Identification

2.1 Classification of the substance or mixture:

Classification (REGULATION (EC) No 1272/2008) as amended

H225 Flammable Liquids – Category 2

H400 Acute Aquatic Toxicity – Category 1

H410 Chronic Aquatic Toxicity – Category 1

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

2.2 Label elements, including precautionary statements

Labelling (REGULATION (EC) No 1272/2008) as amended



Pictogram(s):

Signal word: Danger

Health Hazards

H225 Highly Flammable liquid and vapor

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P273 Avoid release to the environment.
- P370 + P378 In case of fire: Use Water Fog, Dry Chemical, and Carbon Dioxide Foam to extinguish.
- P391 Collect spillage.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statement

None

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 3 - Composition / Information on Ingredients

3.1 Substances/Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

Chemical name	Classification	Concentration
Hexamethyldisiloxane		
CAS-No. 107-46-0 EC-No. 203-492-7	Flam. Liq. 2; Aquatic Acute 1; Aquatic Chronic 1; H225, H400, H410 M-Factor - Aquatic Acute: 1 - Aquatic Chronic: 1	<= 100 %

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

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

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

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. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

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)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 - Exposure Controls / Personal Protection

8.1 Control parameters:

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

None defined.

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

None defined.

8.2 Exposure controls:

Engineering measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin and body protection

Complete suit protecting against chemicals. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protective measures

Ensure that eye flushing systems and safety showers are located close to the working place.

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Colorless liquid	Vapor pressure:	44 hPa at 20 °C
Odor:	No data	Vapor density (Air=1):	5.61
Odor threshold:	No data	Relative density:	0.764 g/mL at 20 °C

pH:	No data	Solubility in water:	Slightly soluble
Melting / freezing point:	-59°C	Partition coefficient (n-octanol/water):	log Pow: > 4 at 25 °C
Low / high boiling point:	101°C	Auto-ignition temperature:	340 °C at 1,013 hPa
Flash Point:	0.6°C	Decomposition temperature:	No data
Evaporation rate:	No data	Viscosity:	< 1 centipoise
Flammability (solid, gas):	No data	Explosive properties:	No data
Upper/lower flammability or explosive limits:	0.5%(V)/21.8%(V)	Oxidizing properties:	No data

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

Heat, flames and sparks.

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

LD50 Oral - Rat - > 5,000 mg/kg
 LC50 Inhalation - Rat - 4 h - 15956 ppm
 (OECD Test Guideline 403)

LD50 Dermal - Rabbit - > 2,000 mg/kg
 (OECD Test Guideline 402)
 NOAEL Oral - Rat - 160 mg/kg

Skin Corrosion/Irritation

Skin - Rabbit
 Result: No skin irritation
 (OECD Test Guideline 404)

Serious Eye Damage/Irritation

Eyes - Rabbit
Result: No eye irritation

Respiratory/Skin Sensitization

No data available

Germ Cell Mutagenicity

Chromosome aberration test in vitro
Chinese hamster lung cells
Result: negative

OECD Test Guideline 475

Rat - Bone marrow

Result: negative

Carcinogenicity

No data available

IARC: 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.

Reproductive toxicity

No toxicity to reproduction

Reproductive toxicity - Rat - male and female - inhalation (vapour)
No significant adverse effects were reported

Developmental Toxicity - Rat – Inhalation

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: JM9237000

Prolonged or repeated exposure to skin causes defatting and dermatitis., Dizziness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

12.1 Toxicity

Toxicity to fish	flow-through test LC50 - Oncorhynchus mykiss (rainbow trout) - ca. 0.46 mg/l - 96 h
Toxicity to algae	EC50 - Pseudokirchneriella subcapitata (green algae) - 0.22 mg/l - 95 h (OECD Test Guideline 201)

12.2 Persistence and Degradability

Biodegradability aerobic - Exposure time 28 d
 Result: 2 % - Not biodegradable
 (OECD Test Guideline 301C)

12.3 Bioaccumulative potential

No data available

Bioaccumulation Cyprinus carpio (Carp) - 70 d at 25 °C

Bioconcentration factor (BCF): 1,100 - 2,400
 (OECD Test Guideline 305C)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

No data available

Section 13 - Disposal Considerations

13.1 Waste treatment methods**Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

14.1 UN number

ADR/RID: - 1993

IMDG: - 1993

IATA: - 1993

14.2 UN proper shipping name

ADR/RID: FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)

IMDG: FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)

IATA: FLAMMABLE LIQUID, N.O.S. (Hexamethyldisiloxane)

14.3 Transport hazard class(es)

ADR/RID: - 3

IMDG: - 3

IATA: - 3

14.4 Packing group

ADR/RID: - II

IMDG: - II

IATA: - II

14.5 Environmental hazards

ADR/RID: yes

IMDG Marine pollutant: yes

IATA: no

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 safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

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

16 - Other Information**Full text of H-Statements referred to under Sections 2 and 3.**

H225 Highly flammable liquid and vapour.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006; EINECS - European Inventory of Existing Commercial Chemical Substances
 ELINCS - European List of Notified Chemical Substances; CAS# - Chemical Abstract Service number;
 PPE - Personal Protection Equipment; Kow - octanol-water partition coefficient; DNEL - Derived No Effect Level; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); NOEC - No Observed Effect Concentration; PNEC - Predicted No Effect Concentration; RMM - Risk Management Measure; OEL - Occupational Exposure Limit; PBT - Persistent, Bioaccumulative and Toxic; vPvB - Very Persistent and Very Bioaccumulative; STOT - Specific Target Organ Toxicity; CSA - Chemical Safety Assessment; EN - European Standard; UN - United Nations; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; WGK - Water Hazard Class

Disclaimer

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