Material Safety Data Sheet

SuperSeal® **MSDS No. 845**

Date of Preparation: January 15, 2013 Revision: 0006

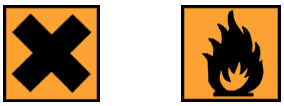
Section 1 - Chemical Product and Company Identification

Product/Chemical Name: SuperSeal®
General Use: Release Agent
Manufacturer: Smooth-On Inc., 2000 St. John St., Easton PA 18042
Phone (610) 252-5800, FAX (610) 252-6200
Emergency Contact: Chem-Tel
Domestic 800-255-3924
International 813-248-0585

Section 2 - Hazards Identification

Hazard Designation:

Europe



Canada

HMIS	
H	2
F	3
R	0

Xn: Harmful F: Highly Flammable

Risk phrases pertaining to particular dangers
R11: Highly flammable.
R36: Irritating to the eyes.
R38: Irritating skin.
R65: Harmful: may cause lung damage if swallowed.
R67: Vapors may cause drowsiness and dizziness.

Classified according to Articles 6 & 7of Directive 1999/45/EC

Section 3 - Composition / Information on Ingredients

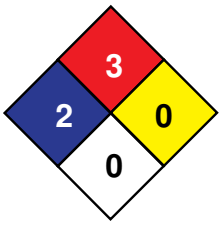
Component	ACGIH TWA	OSHA PEL	Hazard Designation	Weight Percent (%)
Alkanes, C7-C10-Iso CAS Number: 90622-56-3 EINECS Number: 292-458-5	None Established	None Established	Xn F	**70-90%**
Propan-2-ol CAS Number: 67-63-0 EINECS Number: 200-661-7	200 ppm	400 ppm	Xn F	**5-15%**

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: Ingestion is unlikely route of exposure. Do not induce vomiting unless instructed by a physician.
After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

NFPA



FlashPoint: >19°F (-7°C)
Flammable Limits: LEL: 1.5 UEL: 11.6 Note: Approximate
Flash Point Method: TCC
Autoignition Temperature: 750°F (400°C) Note: Approximate
Flammability Classification: Flammable Liquid
General Hazard: Material will readily ignite at ambient temperatures. Material can accumulate static charges, which can cause an incendiary electrical discharge. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT Pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; They may explode and cause injury or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.
Extinguishing Media: Water Fog, Dry Chemical, and Carbon Dioxide Foam
Unusual Fire or Explosion Hazards: None
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. Avoid spraying water directly onto storage containers due to danger of boil over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

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**.**

Section 7 - Handling and Storage

Handling Precautions: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Avoid moisture contamination. Reseal partial containers. Use good general housekeeping procedures.
Storage Requirements: Store in cool dry, well-ventilated area.

Section 8 - Exposure Controls / Personal Protection

Respiratory Protection: 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. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, and aprons to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, 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.

Section 8 - Exposure Controls / Personal Protection (continued)

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.

Section 9 - Physical and Chemical Properties

Product Form: Liquid
Appearance and Odor: Clear, Slight ethereal odor
Vapor Pressure: ~63mm @ 68°F (20°C)
Specific Gravity: 0.72
Vapor Density (Air=1): ~4
Water Solubility: insoluble
Boiling Point: 05°-255°F (96°-107°C)
Evaporation Rate:(butyl acetate =1) ~5.6
Volatile Organic Compounds (grams/liter): 612

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

Section 11- Toxicological Information

Hazardous Component	LD50 Oral	LC50 Skin
Alkanes, C7-C10-Iso	1000 mg/kg	3160 mg/kg

Section 12 - Ecological Information

None Established

Section 13 - Disposal Considerations

Disposal: This material must be disposed of in accordance with local regulations.

Section 14 - Transport Information

DOT
Shipping Name: Octanes
Hazard Label:
Flammable Liquid
UN #: 1262
Hazard Class: 3
Packing Group: II

IATA
Shipping Name: Octanes
Hazard Label:
Flammable Liquid
UN #: 1262
Hazard Class: 3
Packing Group: II

IMDG
Shipping Name: Octanes
Hazard Label:
Flammable Liquid
UN #: 1262
Hazard Class: 3
Packing Group: II

Section 15 - Regulatory Information

United States EPA Regulations:

Clean Air Act:
SOCMI Chemical: 2, 2, 4 Trimethylpentane Hap Code: XOV
CERCLA Hazardous Substance (40 CFR 302.4) RQ: 1,000 pounds
TSCA Inventory Status (40 CFR710): All components of this formulation are listed in the TSCA Inventory
California Proposition 65**:** These products do not intentionally contain any chemicals which have been identified by the state of California to cause cancer, birth defects or other reproductive harm.

Section 15 - Regulatory Information (continued)

Canadian Regulations;

WHMIS Identification: **CLASS B-2:** Flammable liquid with a flash point lower than 37.8°C (100°F).
CLASS D-2B: Material causing other toxic effects (TOXIC).

CDSL/NDL (Canadian Domestic Substance List/Non Domestic Substance List): **Listed on CDSL**

Labeling according to EEC Directive

Risk Phrases	Symbol(s) Required for EU Label	Safety Phrases
R11: Highly flammable. **R36:** Irritating to the eyes. **R38**: Irritating skin.. **R65**: Harmful: may cause lung damage if swallowed. **R67**: Vapors may cause drowsiness and dizziness	 **Xn: Harmful** **F: Highly Flammable**	**S2:** Keep out of reach of children. **S7:** keep container tightly closed. **S9**: Keep container in a well ventilated area. **S16:** Keep away from sources. of ignition. No Smoking S24/25: Avoid contact with eyes and skin. **S26** :In case of contact with skin , rinse immediately with plenty of water and seek medical attention. **S29:** Do not empty into drains. **S33:** Take precautionary measures against static discharge. **S60**: This material and container must be disposed as hazardous waste. **S61:** Avoid release to the environment. (See MSDS). **S62:** If swallowed do not induce vomiting Seek medical advice immediately and show this label.

16 - Other Information

Disclaimer: The information contained in this MSDS 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 Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA)Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006/EEC (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European Union (EU/EEC) directive 1907/2006/EEC and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directives.