



Material Safety Data Sheet

ENCAPSO K

MSDS No. 269

Date Of Preparation: February 29, 2008

Revision: 0000

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: ENCAPSO K Part A

General Use: Silicone Elastomer

Manufacturer: Smooth-On Inc., 2000 St. John St., Easton PA 18042
(610) 252-5800, FAX (610) 252-6200

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

Section 2 - Composition / Information on Ingredients

Component	CAS Number	ACGIH TWA	Exposure Limits OSHA PEL	Weight Percent (%)
Polyorganosiloxanes	Mixture	None Established	None Established	100

Section 3 - Hazards Identification

Potential Health Effects

HMIS	
H	1
F	1
R	0

Primary Entry Routes: Dermal

Acute Effects Inhalation: This is a viscous fluid that does not easily form a mist or vapor and, therefore, inhalation hazards are minimal.

Eye: Similar silicone fluids are non-irritating to eyes. A slight transient irritation is possible.

Skin: Similar silicone fluids are non-irritating to intact and abraded skin.

Ingestion: Animal tests for similar silicone fluids suggest very low acute oral toxicity.

Carcinogenicity: IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: No Data Found

Section 4 - First Aid Measures

Inhalation: Remove source(s) of contamination and move victim to fresh air. 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; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

Ingestion: Do not induce vomiting unless instructed by a physician. Contact physician immediately

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

Section 5 - Fire-Fighting Measures

Flash Point: >300 °F

Flash Point Method: PMCC

LEL: Not Established

UEL: Not Established

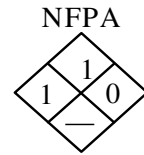
Flammability Classification: Non-Flammable

Extinguishing Media: Dry Chemical, Carbon Dioxide, and Foam

Unusual Fire or Explosion Hazards: None

Fire-Fighting Instructions: Fire fighters should wear self-contained breathing apparatus. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Dike and contain spill; absorb or scrape up excess into suitable container for disposal. Stop or reduce discharge if it can be done safely.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. Use good general housekeeping procedures.

Storage Requirements: Store in cool dry, well-ventilated area.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Protective Clothing/Equipment: Wear chemically protective gloves. Wear protective eyeglasses per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

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

Physical State: Liquid	Water Solubility: Insoluble
Appearance : Clear liquid	Boiling Point: None (Polymeric Resin)
Odor : Mild odor	% Volatile: Nil
Vapor Pressure: None (Polymeric Resin)	Freezing/Melting Point: None (Polymeric Resin)
Vapor Density (Air=1): >1	Viscosity: 2 poise
Specific Gravity (H₂O=1, at 4 °C): 0.98	Evaporation Rate: Not Applicable

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 can not occur.

Chemical Incompatibilities: Strong bases, and acids.

Hazardous Decomposition Products: Silica, carbon monoxide and carbon dioxide

Section 11- Toxicological Information

Eye Effects: Irritation	Carcinogenicity: None Determined
Skin Effects: Irritation	Mutagenicity: None Determined
	Teratogenicity: None Determined

Section 12 - Ecological Information

None Established

Section 13 - Disposal Considerations

Disposal: Must be disposed of in accordance with applicable Federal, state and local regulations.

Section 14 - Transport Information

DOT	IATA	IMDG
Not Regulated	Not Regulated	Not Regulated

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

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

SARA Toxic Chemical (40 CFR 372.65): None

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): None

Section 15 - Regulatory Information (continued)

This product does not contain chemicals that are subject to release reporting requirements under **section 313 of SARA Title III**.

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

States Right To Know, Substance List:

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.

Section 16 - Other Information

Prepared By: Dominick J. Finocchio

Title: Technical Director

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.



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Section 2 - Composition / Information on Ingredients

Component	CAS Number	ACGIH TWA	Exposure Limits OSHA PEL	Weight Percent (%)
New Jersey Trade Secret #221290880-5052P		None Established	None Established	50-60
Polyorganosiloxanes	Mixture	None Established	None Established	30-40
Silicic Acid, ethyl ester	11099-06-2	None Established	None Established	4-5
Ethyl silicate	78-10-4	85 mg/m ³	85 mg/m ³	1-2
Organotin compound	68928-76-7	0.1 mg/m ³	0.1 mg/m ³	1-5

Section 3 - Hazards Identification

Potential Health Effects

HMIS	
H	2
F	1
R	0

Primary Entry Routes: Dermal

Acute Effects Inhalation: This is a viscous fluid that does not easily form a mist or vapor and, therefore, inhalation hazards are minimal.

Eye: Irritating to eyes.

Skin: Irritating to skin. May cause contact dermatitis.

Ingestion: Animal tests for similar silicone fluids suggest very low acute oral toxicity.

Carcinogenicity: IARC, NTP, and OSHA do not list any components of this product as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: No Data Found

Section 4 - First Aid Measures

Inhalation: Remove source(s) of contamination and move victim to fresh air. 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; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

Ingestion: Do not induce vomiting unless instructed by a physician. Contact physician immediately

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

Section 5 - Fire-Fighting Measures

Flash Point: >144 °F

Flash Point Method: PMCC

LEL: Not Established

UEL: Not Established

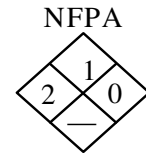
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Odor : Mild odor	% Volatile: Nil
Vapor Pressure: None (Polymeric Resin)	Freezing/Melting Point: None (Polymeric Resin)
Vapor Density (Air=1): >1	Viscosity: 1 poise
Specific Gravity (H₂O=1, at 4 °C): 0.98	Evaporation Rate: Not Applicable

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