MATERIAL SAFETY DATA SHEET

SECTION I. IDENTIFICATION OF PRODUCT

CHEMICAL NAME: Silicone
FORMULA: \(-(\text{CH}_3\text{Si-O})_n\)
SYNONYM OR CROSS REFERENCE: Polydimethylsiloxane

SECTION II. HAZARDOUS INGREDIENTS

MATERIAL: None
NATURE OF HAZARD: N/A

SECTION III. PHYSICAL DATA

BOILING POINT: 35°C (95°F)
MELTING POINT: Not determined
VAPOR PRESSURE (mm Hg): N.D.
SPECIFIC GRAVITY: 0.97 @ 25°C
VAPOR DENSITY (AIR = 1): N.D.
PERCENTAGE VOLATILE BY VOLUME (%): N.D.
WATER SOLUBILITY: N.D.
EVAPORATION RATE: N.D.
APPEARANCE: Odorless, colorless viscous liquid

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): N/A
FLAMMABLE LIMITS
N.D. N/D
Uel Lel

FIRE EXTINGUISHING MEDIA: CO₂, dry chemical or water spray
SPECIAL FIRE-FIGHTING PROCEDURES: Self-contained breathing apparatus

SECTION V. HEALTH HAZARD

THRESHOLD LIMIT VALUE: None
HEALTH HAZARDS: No known applicable information
FIRST AID PROCEDURES: Treat symptomatically
SECTION VI. REACTIVITY DATA

STABILITY: UNSTABLE
STABLE

CONDITIONS TO AVOID: Temperatures above 148.8°C (300°F)

INCOMPATIBILITY (materials to avoid): Oxidizing materials may cause a reaction

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Oxides, Silicon Dioxide, Formaldehyde

HAZARDOUS MAY OCCUR CONDITIONS TO AVOID:

POLYMERIZATION: WILL NOT OCCUR

None

SECTION VII. SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Suitable absorbent

WASTE DISPOSAL METHOD: RCRA Hazard Class (40 CFR 261)

DISPOSE OF BY MEANS AS TO COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS OR CONTACT AN APPROVED AND LICENSED DISPOSAL AGENCY.

SECTION VIII. PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type): None required

VENTILATION: LOCAL

SPECIAL

MECHANICAL

OTHER

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Safety glasses (ANSI Z87.1)

OTHER PROTECTIVE EQUIPMENT: None required

SECTION IX. HANDLING AND STORAGE PRECAUTIONS

STORAGE AND HANDLING: Reasonable care, avoid oxidizing materials

SECTION X. MISCELLANEOUS INFORMATION

INFORMATION FURNISHED BY: E. J. Mlotkiewicz
TITLE: Senior Manufacturing Engineer

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