

SILICONES, INC.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: GI-179 A

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER:

Silicones, Inc.
P. O. Box 363
211 Woodbine St.
High Point, NC 27261

Information Phone: 336/886-5018

Emergency Phone: CHEMTREC
800/424-9300

PRODUCT NAME: GI-179 A

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS

CAS #

EXPOSURE LIMITS

Organo tin compounds
Phenyltrimethoxysilane
Tetra-n-propoxysilane

02996-92-1
00682-01-9

0.1 mg/m³ as tin
N.A.
N.A.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N.A.*

SPECIFIC GRAVITY : 1.00

VAPOR PRESSURE (mm Hg.): N.A.

MELTING POINT: N.A.

VAPOR DENSITY (AIR=1): N.A.

EVAPORATION RATE (Butyl Acetate=1): N.A.

SOLUBILITY IN WATER: Slight

APPEARANCE AND ODOR: Green liquid. Mild odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Greater than 208 °F
(ASTM D-3278)

FLAMMABLE LIMITS: N.A.

LEL: N.A.

UEL: N.A.

EXTINGUISHING MEDIA: Carbon dioxide, sand, foam, dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear full protective clothing, including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Organo tin fumes may be evolved.

* N.A. throughout this document represents "Not Applicable".

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: N.A.

INCOMPATIBILITY (materials to avoid): Acids, bases and water.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Methanol, n-propanol, silicon dioxide, carbon dioxide, and organo-tin compounds.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: N.A.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? YES INGESTION? YES

HEALTH HAZARDS (acute & chronic): Severe eye irritant. May cause corneal damage. Skin irritant. May cause irritation or damage to lungs..

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

SIGNS AND SYMPTOMS OF EXPOSURE: Severely irritating to eyes and skin. Avoid contact with eyes and skin. Inhalation of vapors may cause irritation or lung damage. Do not breathe vapors. Ingestion may cause nausea, blindness or death. Do not take internally.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known to date.

EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Flush eyes with large quantities of water for at least 15 minutes. Consult a physician immediately. Skin Contact: Wash thoroughly with mild soap and water.

Remove contaminated clothing. Consult a physician. Inhalation: Remove to fresh air. Administer oxygen or CPR if necessary. Consult a physician. Ingestion: Give one full cup of water or milk to dilute material.

Consult a physician immediately.

NOTE: Contact with moisture or water will generate methanol and n-propanol, both of which are toxic and may be absorbed through skin contact or ingestion.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Cover spill with an absorbent material such as sand or sawdust. Scoop up and place in an appropriately marked container.

WASTE DISPOSAL METHOD: May be incinerated or land-filled under conditions complying with federal, state, and local environmental control regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers tightly closed and air-tight. Protect from moisture. Store in temperatures less than 80 °F. Store away from food and beverages.

OTHER PRECAUTIONS: Blanket vapor space with nitrogen for prolonged storage.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Chemical respirator with organic vapor cartridge.

VENTILATION: LOCAL EXHAUST: Preferred. SPECIAL: N.A.

MECHANICAL: Recommended OTHER: N.A.

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Rubber apron, eye wash fountain, safety shower.

WORK/HYGIENIC PRACTICES: Wash hands immediately after use. Avoid contact with food or drink.