

SILICONES, INC.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: XT-386B

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: XT-386B

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS

CAS #

EXPOSURE LIMITS

Tetra-n-propoxysilane

00682-01-9

n.a.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N.A.*

SPECIFIC GRAVITY : 1.15

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: Negligible

APPEARANCE AND ODOR: White to buff colored. Mild, sweet odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Greater than 210 °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: None known to date.

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

SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: N.A.

INCOMPATIBILITY (materials to avoid): Strong bases will cause depolymerization.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon dioxide, silicon dioxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: N.A.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION? NO SKIN? YES INGESTION? NO

HEALTH HAZARDS (acute & chronic): May cause temporary, reversible eye irritation.

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

SIGNS AND SYMPTOMS OF EXPOSURE: None known to date.

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.

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: Store at temperatures between 32 and 80 °F

OTHER PRECAUTIONS: N.A.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Not required.

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

MECHANICAL: N. A. 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.

PREPARED BY: rja

DATE: 5/12/00

SILICONES, INC.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: GI-311A

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-311A

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS

CAS #

EXPOSURE LIMITS

Organo tin compounds

0.1 mg/m³ as tin

Ethyl silicate

78-10-4

10 ppm

Polymeric ethyl silicate

68412-37-3

N.A.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N.A.*

SPECIFIC GRAVITY : 0.99

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: Blue liquid. Mild alcohol-like odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 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: Ethanol, silicon dioxide, carbon dioxide, and organotin compounds.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: N.A.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION? YES SKIN? YES INGESTION? NO

HEALTH HAZARDS (acute & chronic): Eye and skin irritant. Temporary irritation of respiratory tract may occur.

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

SIGNS AND SYMPTOMS OF EXPOSURE: Overexposure via inhalation or skin absorption may cause headache and nausea. May irritate eyes and skin on contact. Inhalation of vapors may irritate the respiratory tract.

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. Skin Contact: Wash thoroughly with mild soap and water. Remove contaminated clothing. Inhalation: Remove to fresh air.

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: If TLV is exceeded, use MSHA/NIOSH organic vapor respirator.

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

MECHANICAL: Acceptable 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.

PREPARED BY: DJ

DATE: 5/13/98

