

# SILICONES, INC.

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Thixotropic Additive

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### SECTION I - PRODUCT IDENTIFICATION

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MANUFACTURER:

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

Information Phone: 336/886-5018

Emergency Phone: 336/886-5018

PRODUCT NAME: Thixotropic Additive

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### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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INGREDIENTS

CAS #

EXPOSURE LIMITS

Decamethylcyclopentasiloxane

541-02-6

TWA 10 ppm

Octamethylcyclotetrasiloxane

556-67-2

TWA 10 ppm

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### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

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BOILING POINT: >35C/95F

SPECIFIC GRAVITY : 1.036

VAPOR PRESSURE (mm Hg.): na

MELTING POINT: na

VAPOR DENSITY (AIR=1): na

EVAPORATION RATE (Butyl Acetate=1): na

SOLUBILITY IN WATER: na

APPEARANCE AND ODOR: liquid, amber, characteristic odor

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### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: 153F/ 67.2C

FLAMMABLE LIMITS: na

(ASTM D-3278)

LEL: na

UEL: na

EXTINGUISHING MEDIA: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire exposed containers.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: none

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## **SECTION V - REACTIVITY DATA**

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STABILITY: UNSTABLE \_\_\_\_\_ STABLE \_\_\_x\_\_\_\_\_

CONDITIONS TO AVOID: na

INCOMPATIBILITY (materials to avoid): oxidizing material can cause a reaction.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides, and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

HAZARDOUS POLYMERIZATION: MAY OCCUR \_\_\_\_\_ WILL NOT OCCUR: \_\_\_x\_\_\_

CONDITIONS TO AVOID: none

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## **SECTION VI - HEALTH HAZARD DATA**

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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: Direct eye contact may cause redness. Prolonged skin contact may cause irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: none known to date

EMERGENCY AND FIRST AID PROCEDURES: Immediately flush eye with water. If inhaled, remove to fresh air and get medical attention if ill effects persist.

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## **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

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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 80F. Store away from food and beverages.

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

## **SECTION VIII - CONTROL MEASURES**

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

VENTILATION: LOCAL EXHAUST: preferred SPECIAL: na

MECHANICAL: acceptable OTHER: na

PROTECTIVE GLOVES: rubber EYE PROTECTION: safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: rubber apron, eye wash, safety shower

WORK/HYGIENIC PRACTICES: wash hands immediately after use

PREPARED BY: Myra A. Bumgardner

DATE: July 17, 2003