

TOSPEARL 3000A
Methylsilsesquioxane resin**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Manufactured By: GE Toshiba Silicones Co., Ltd, Ohta

Revised: Ohta-shi 3738505
10/13/2006

Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Polymer
Formula: Methyl silsesquioxane

HMIS
Flammability: 1 Reactivity: 0 Health: 0 Prot. Equipm.:

NFPA
Flammability: 1 Reactivity: 0 Health: 1 Special Haz.:

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
<u>B. NON-HAZARDOUS</u>		
METHYLSILSESIQUOXANE	68554-70-1	> 90 %

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Attention! This material is not considered hazardous by the OSHA Hazard Communication Standard 29 CFR 1910.1200

Form: solid Color: white Odor: None.

POTENTIAL HEALTH EFFECTS**INGESTION**

No adverse effects are expected under normal conditions of use.

SKIN

No adverse effects are expected under normal conditions of use.

INHALATION

No adverse effects are expected under normal conditions of use.

TOSPEARL 3000A
Methylsilsequioxane resin

EYES

No adverse effects are expected under normal conditions of use.

MEDICAL CONDITIONS AGGRAVATED

Respiratory disorder

SUBCHRONIC (TARGET ORGAN)

None known.

CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

ROUTES OF EXPOSURE

Inhalation

4. FIRST AID MEASURES

INGESTION

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

SKIN

Wash off with soap and water. Obtain medical attention if symptoms persist.

INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

EYES

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN

Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT:

METHOD:

not applicable

IGNITION TEMPERATURE:

not applicable

FLAMMABLE LIMITS IN AIR - LOWER (%):

not applicable

FLAMMABLE LIMITS IN AIR - UPPER (%):

not applicable

SENSITIVITY TO MECHANICAL IMPACT:

No

TOSPEARL 3000A
Methylsilsequioxane resin

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section. Increase area ventilation.

7. HANDLING AND STORAGE

STORAGE

Keep container closed. Store away from heat, sources of ignition, and incompatibles.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with skin and eyes. Use only in well-ventilated areas. Keep away from children. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Eyewash stations; Showers; Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

PROTECTIVE GLOVES

Impermeable or chemical resistant gloves.

EYE AND FACE PROTECTION

Safety glasses with side-shields conforming to EN 166

TOSPEARL 3000A
Methylsilsequioxane resin**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

Component	CAS RN	Source	Value
------------------	---------------	---------------	--------------

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F:	not applicable
VAPOR PRESSURE (20 C) (MM HG):	not applicable
VAPOR DENSITY (AIR=1):	negligible
FREEZING POINT:	> 999 °C; 1,830.20 °F
MELTING POINT:	> 999 °C; 1,830.20 °F
PHYSICAL STATE:	solid
ODOR:	None.
COLOR:	white
EVAPORATION RATE (BUTYL ACETATE=1):	not applicable
SPECIFIC GRAVITY (WATER=1):	ca. 1.32
DENSITY:	1.3 g/cm ³
ACID / ALKALINITY (MEQ/G):	not applicable
pH:	no data available
VOLATILE ORGANIC CONTENT (VOL):	
SOLUBILITY IN WATER (20 C):	immiscible
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Insoluble in water
VOC EXCL. H₂O & EXEMPTS (G/L):	not applicable

10. STABILITY AND REACTIVITY**STABILITY**

Stable

HAZARDOUS POLYMERIZATION

Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTSCarbon monoxide; Carbon dioxide (CO₂); formaldehyde; Silicon dioxide.; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 F (150 C) and above in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat

TOSPEARL 3000A
Methylsilsequioxane resin

irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from GE Advanced Materials - Silicones.

INCOMPATIBILITY (MATERIALS TO AVOID)

None known.

CONDITIONS TO AVOID

None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL

LD50; Species: rabbit; > 6,000 mg/kg;

ACUTE DERMAL

Remarks: no data available

ACUTE INHALATION

Remarks: Unknown

OTHER

SENSITIZATION

Test Type: Magnusson-Kligmann; Species: guinea pig; Result: negative

SKIN IRRITATION

Species: rabbit; No skin irritation

EYE IRRITATION

Species: rabbit ; No eye irritation

MUTAGENICITY

Salmonella/Microsome-test: No indication of mutagenic effects.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY

Ecotoxicological data for this product is not available.

CHEMICAL FATE

no data available

DISTRIBUTION

no data available

TOSPEARL 3000A
Methylsilsequioxane resin

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

Further Information:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. REGULATORY INFORMATION

Inventories

Canada DSL Inventory	y (positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)
Korea Existing Chemicals Inventory (KECI)	y (positive listing)
China Inventory of Existing Chemical Substances	y (positive listing)
Australia Inventory of Chemical Substances (AICS)	y (positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
TSCA list	y (positive listing)
EU list of existing chemical substances	y (positive listing)
Canada NDSL Inventory	n (Negative listing)

For inventories that are marked as quantity restricted or special cases, please contact GE.

US Regulatory Information

CERCLA

PRODUCT COMPOSITION

Chemical

CERCLA Reportable Quantity

CLEAN AIR ACT

CLEAN WATER ACT

SARA SECTION 302



TOSPEARL 3000A
Methylsilsequioxane resin

SARA (311,312) HAZARD CLASS
No SARA Hazards

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS
NON-CONTROLLED

Other

SCHDLE B/HTSUS:

ECCN:

CALIFORNIA PROPOSITION 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductiv e defects.

16. OTHER INFORMATION

OTHER

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate., C = ceiling limit NEGL = negligible EST = estimated NF = none found
NA = not applicable UNKN = unknown NE = none established REC = recommended ND = none determined V = recommended by vendor SKN = skin TS = trade secret R = recommended MST = mist NT = not tested STEL = short term exposure limit ppm = parts per million ppb = parts per billion By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).