



GE Silicones

MATERIAL SAFETY DATA SHEET

SSG4400B 5GP-Pail (45.0LBS-20.43KG)

Trade Name **SILICONE RUBBER CURING AGENT**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By GES Waterford Plant
 260 Hudson River Rd
 Waterford, NY 12188

Revised: 10/08/2003
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
Chemical Family/Use: Catalyst
Formula: Mixture
CHEMTREC 1-800-424-9300

HMIS

FLAMMABILITY	2	REACTIVITY	1	HEALTH	3
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NFPA

FLAMMABILITY	2	REACTIVITY	1	HEALTH	3
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2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<u>A. HAZARDOUS</u>		
GAMMA-AMINOPROPYLTRIETHOXYSILANE	919-30-2	10 - 30 %
N-propylsilicate	682-01-9	10 - 30 %
<u>B. NON-HAZARDOUS</u>		
Polydimethylsiloxane	63148-62-9	60 - 90 %
Carbon Black	1333-86-4	5 - 10 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER! CORROSIVE Harmful if absorbed through the skin. May cause severe eye irritation. May cause severe skin irritation. May cause adverse liver, kidney, and CNS effects. Harmful or fatal if swallowed or inhaled.

Liquid black none



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POTENTIAL HEALTH EFFECTS :

INGESTION :

Liver and kidney injuries may occur. May be fatal if swallowed. Harmful if swallowed. Causes vomiting, nausea, and diarrhea. Irritation of the mouth, throat, and stomach.

SKIN :

Harmful if absorbed through the skin. May cause severe skin irritation. May cause skin burns. Skin absorption may cause kidney damage.

INHALATION :

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Harmful if inhaled. Causes irritation of the mouth, nose, and throat. May cause damage to nasal and respiratory passages.

EYES :

Causes severe eye irritation may damage tissue. May cause permanent eye damage May cause corneal injury.

MEDICAL CONDITIONS AGGRAVATED

Respiratory disorder Pre-existing liver or kidney disorders. Skin disorders.

SUBCHRONIC (TARGET ORGAN) :

Respiratory disorder dermatitis Liver and kidney damage.

CHRONIC EFFECTS / CARCINOGENICITY :

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

ROUTES OF EXPOSURE :

Inhalation dermal Eyes

OTHER :

Product releases amine vapors during cure. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES



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INGESTION :

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

SKIN :

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention.

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, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTE TO PHYSICIAN :

Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT	>63 C 145.4F
METHOD:	COC
IGNITION TEMPERATURE	Unknown
FLAMMABLE LIMITS IN AIR - LOWER (%)	NA
FLAMMABLE LIMITS IN AIR - UPPER (%)	NA

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE :
Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA :
foam, carbon dioxide (CO2), dry chemical

SPECIAL FIRE FIGHTING PROCEDURES :
Corrosive material., Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES



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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. Warn other workers of spill. Increase area ventilation. Person not trained should evacuate area.

7. HANDLING AND STORAGE

STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Danger! Corrosive. Avoid contact with skin and eyes. Use only in well-ventilated areas. Keep container closed when not in use to prevent contact with acidic, basic or oxidizing materials. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS :

Use only in well-ventilated areas. Eyewash stations Showers Exhaust ventilation

RESPIRATORY PROTECTION:

Use only in well-ventilated areas. 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 29CFR 1910.134).

PROTECTIVE GLOVES :

Rubber or plastics gloves

EYE AND FACE PROTECTION :

safety glasses Monogoggles.

OTHER PROTECTIVE EQUIPMENT :

Rubber apron Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

<u>Chemical</u>	<u>CAS REG NO.</u>	<u>ACGIH</u>	<u>OSHA</u>	<u>Supplier</u>



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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F	>200 °C 392 F
VAPOR PRESSURE (20 C) (MM HG) :	NA
VAPOR DENSITY (AIR=1) :	no data available
FREEZING POINT:	NA
MELTING POINT :	NA
PHYSICAL STATE:	Liquid
ODOR:	none
COLOR :	black
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1) :	ca. 1
DENSITY (KG/M3) :	ca. 1,000 KG/M3
ACID / ALKALINITY (MEQ/G) :	NA
pH	NA
VOLATILE ORGANIC CONTENT (VOL)	
SOLUBILITY IN WATER (20 C) :	insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) :	partly soluble
VOC EXCL. H2O & EXEMPTS (G/L) :	NT

10. STABILITY AND REACTIVITY

STABILITY :
Stable

HAZARDOUS POLYMERIZATION :
WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS :
carbon dioxide (CO2)Carbon monoxideSilicon dioxide.Oxides of nitrogen.aminesEthanolformaldehyde

INCOMPATIBILITY (MATERIALS TO AVOID)
Reacts with water forming ethanol. Avoid contact with acids, bases, or oxidizing agents.

CONDITIONS TO AVOID :
Keep away from heat and sources of ignition.Keep away from any contact with water.

11. TOXICOLOGICAL INFORMATION



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ACUTE ORAL:
Unknown

ACUTE DERMAL:
Unknown

ACUTE INHALATION:
Unknown

OTHER:
None

SENSITIZATION:
no data available

SKIN IRRITATION
Irritating to skin.

EYE IRRITATION
Eye irritation

MUTAGENICITY
Unknown

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY
no data available

CHEMICAL FATE
no data available

DISTRIBUTION

13. DISPOSAL CONSIDERATIONS

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



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14. TRANSPORT INFORMATION

Not Regulated if Section is Blank

DOT SHIPPING NAME : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(GAMMA-AMINOPROPYLTRIETHOXYSILANE,,)

DOT HAZARD CLASS : 8

DOT LABEL (S) : Corrosive material

UN/NA NUMBER : UN3267

PACKING GROUP : II

IMO IMDG-CODE : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (GAMMA-AMINOPROPYLTRIETHOXYSILANE,,),8,UN3267,II

EMS No : 8-15

IATA : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (GAMMA-AMINOPROPYLTRIETHOXYSILANE,,),8,UN3267,II

EMS No :

15. REGULATORY INFORMATION

US Regulatory Information

CERCLA		
<u>PRODUCT COMPOSITION</u>	<u>Chemical</u>	<u>CERCLA Reportable Quantity</u>

CLEAN AIR ACT

CLEAN WATER ACT

SARA SECTION 302 :

SARA (311,312) HAZARD CLASS:

