

**SSG4600B 5GP-(40LB-18.16KG)  
Silicone Rubber Compound-B**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufactured By:** Waterford Plant  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 06/12/2009  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Catalyst  
**Formula:** Mixture

**HMIS**

Flammability: 2      Reactivity: 1      Health: 2

**NFPA**

Flammability: 2      Reactivity: 1      Health: 2

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

CAUTION! Combustible liquid and vapor. Harmful if swallowed or inhaled. May cause severe irritation to skin, eyes, and respiratory tract. May cause adverse reproductive effects. Adverse reproductive effects reported in animals.

**Color:** black

**Odor:** amine-like

**POTENTIAL HEALTH EFFECTS**

**INGESTION**

Harmful if swallowed. Causes vomiting, nausea, and diarrhea. Irritation of the mouth, throat, and stomach.

**SKIN**

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

**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.

**MEDICAL CONDITIONS AGGRAVATED**

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

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**SUBCHRONIC (TARGET ORGAN )**

Respiratory disorder; Dermatitis

**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; Dermal; Eyes

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
Gamma-Aminopropyltrimethoxysilane	13822-56-5	10 - 30 %
gamma-Glycidoxypropyltrimethoxysilane	2530-83-8	5 - 10 %
Methyltrimethoxysilane	1185-55-3	5 - 10 %
<b><u>B. NON-HAZARDOUS</u></b>		
Polydimethylsiloxane	63148-62-9	30 - 60 %

**4. FIRST AID MEASURES**

**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

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15 minutes and get medical attention immediately after flushing.

**NOTE TO PHYSICIAN**

Treatment is symptomatic and supportive.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:** 88 °C; 190 °F  
**IGNITION TEMPERATURE:** Unknown  
**FLAMMABLE LIMITS IN AIR - LOWER (%):** not applicable  
**FLAMMABLE LIMITS IN AIR - UPPER (%):** not applicable

**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA**

Foam, Carbon dioxide (CO<sub>2</sub>), 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**

**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**

**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.

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**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>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

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**

<b>BOILING POINT - C &amp; F:</b>	>200 °C; 392 °F
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	not applicable
<b>VAPOR DENSITY (AIR=1):</b>	no data available
<b>FREEZING POINT:</b>	not applicable
<b>ODOR:</b>	amine-like
<b>COLOR:</b>	black
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>SPECIFIC GRAVITY (WATER=1):</b>	ca. 1
<b>DENSITY:</b>	1 g/cm3
<b>ACID / ALKALINITY (MEQ/G):</b>	not applicable
<b>pH:</b>	not applicable
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	no data available
<b>SOLUBILITY IN WATER (20 C):</b>	insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	partly soluble

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VOC EXCL. H2O & EXEMPTS (G/L): 225

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide (CO<sub>2</sub>); Carbon monoxide; Silicon dioxide.; nitrogen oxides (NO<sub>x</sub>); Amines; Ethanol; formaldehyde; 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. A MSDS for formaldehyde is available from Momentive.

**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**

**ACUTE ORAL**

Remarks: Unknown

**ACUTE DERMAL**

Remarks: Unknown

**ACUTE INHALATION**

Remarks: Unknown

**OTHER**

Contains dibutyl tin dilaurate which may cause birth defects and reproductive effects based on animal data.

**SENSITIZATION**

no data available

**SKIN IRRITATION**

Irritating to skin.

**EYE IRRITATION**

Eye irritation

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**MUTAGENICITY**

Unknown

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

no data available

**CHEMICAL FATE**

no data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD**

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

**14. TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** Combustible liquid, n.o.s.  
**DOT HAZARD CLASS:** CBL  
**DOT LABEL (S):** NON  
**UN/NA NUMBER:** NA 1993  
**PACKING GROUP:** III

**Further Information:**

This product must be classified as a Combustible liquid, n.o.s. only when shipped in containers > 450 L (119 gallons) for both import and domestic shipment. Non-bulk containers are classified as shown in the IMDG and IATA classification for both domestic and international shipment.

**15. REGULATORY INFORMATION**

**Inventories**

Canada DSL Inventory y (positive listing)  
Canada NDSL Inventory n (Negative listing)  
Japan Inventory of Existing &  
New Chemical Substances y (positive listing)  
(ENCS)  
Korea Existing Chemicals y (positive listing)

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Inventory (KECI)

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) On TSCA Inventory

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

**US Regulatory Information**

**SARA (311,312) HAZARD CLASS**

Acute Health Hazard; Chronic Health Hazard

**SARA (313) CHEMICALS**

**CALIFORNIA PROPOSITION 65**

WARNING! This product contains a chemical known in the State of California to cause cancer.  
1333-86-4, Carbon Black. 108-88-3, Toluene.

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**

D2B - Toxic Material Causing Other Toxic Effects  
D2A - Very Toxic Material Causing Other Toxic Effects

**Other**

**SCHDLE B/HTSUS:** 3214.10.0010 Mastics based on rubber

**ECCN:** EAR99

**16. OTHER INFORMATION**

**OTHER**

C = ceiling limit applicable UNKN = unknown determined V = recommended  
NEGL = negligible EST = estimated NE = none established SKN = skin  
NF = none found NA = not recommended ND = none 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)., These data are offered in good faith as typical values  
and not as product specifications. No warranty, either expressed or implied, is made. The

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## ***Material Safety Data Sheet***

Version: 2.7  
06/12/2009

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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.