

SSG4400B

# SAFETY DATA SHEET

## 1 Product and company identification

**Name of chemical (Product name)** : SSG4400B

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials Japan LLC  
Akasaka Park Building  
5-2-20 Akasaka, Minato-ku  
Tokyo Japan

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**Telefax** : +81-3-5544-3101

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**Responsible Department** : Product Stewardship & Compliance Group

## 2 Hazard(s) identification

### GHS classification:

#### Health Hazards:

Serious Eye Damage/Eye Irritation	Category 1
Skin sensitizer	Category 1
Toxic to reproduction	Category 1B

#### Environmental Hazards:

Acute hazards to the aquatic environment	Category 3
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### GHS label elements:

#### Pictograms:



**Signal Word:** Danger

**Hazard Statement:** Causes serious eye damage.  
May cause an allergic skin reaction.  
May damage fertility. May damage the unborn child.  
Harmful to aquatic life.

#### Precautionary Statements:

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- Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
- Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label). Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. IF exposed or concerned: Get medical advice/attention.
- Storage:** Store locked up.
- Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards which do not result in classification:**  
none

### 3 Composition/information on ingredients

**Chemical nature:** Silicone compound

#### Mixtures

Chemical Identity	CAS number	Concentration*
gamma-Aminopropyltriethoxysilane	919-30-2	10 - 20%
Carbon Black	1333-86-4	10 - 30%
DIBUTYL TINOXIDE (48% as Tin)	818-08-6	0.1 - 1.0%
Di-(2-ethylhexyl)phthalate	117-81-7	0.1 - 1.0%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4 First-aid measures

- Inhalation:** If inhaled, move victim to fresh air and seek medical attention.
- Skin Contact:** Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
- Eye contact:** Flush thoroughly with water for at least 15 minutes. Get medical assistance.

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**Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Consult a physician for specific advice.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** No data available.

**Hazards:** No data available.

**5 Fire-fighting measures**

**Extinguishing media:** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media:** No data available.

**6 Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Keep unprotected persons away. Remove sources of ignition. Use personal protective equipment. Keep upwind.

**Environmental Precautions:** No data available.

**Methods or materials for containment and cleaning up:** Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

**Prevention of secondary hazards:** No data available.

**7 Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** Eye wash facilities and emergency shower must be available when handling this product. Use only in well-ventilated areas.

**Safe handling advice:** Remove sources of ignition.

**Contact avoidance measures:** Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Practice good housekeeping.

**Hygiene measures:** No data available.

**Storage**

**Safe storage conditions:** Store in a dark, cool place indoors, with container tightly closed.

**Safe packaging materials:** No data available.

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**8 Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits:**

Chemical name	Type	Exposure Limit Values	Regulation Sources
Di-(2-ethylhexyl)phthalate	TWA	5 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)
Carbon Black - Respirable dust.	TWA	1 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)
Carbon Black - Total dust.	TWA	4 mg/m3	Japan. OELs - JSOH (Recommendation of Occupational Exposure Limits), as amended (05 2014)

**Personal protective equipment (ppe)**

<b>Respiratory Protection:</b>	Use only in well-ventilated areas. In case of inadequate ventilation use suitable respirator.
<b>Hand Protection:</b>	No data available.
<b>Eye Protection:</b>	Safety glasses with side shields
<b>Skin and Body Protection:</b>	Wear suitable protective clothing.

**9 Physical and chemical properties**

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Black
<b>Odor:</b>	amine like
<b>Odor threshold</b>	No data available.
<b>Melting point/freezing point</b>	ca.-29.0 °C
<b>Initial boiling point and boiling range</b>	> 200 °C
<b>Flammability</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point</b>	> 63.0 °CPENSKY-MARTENS
<b>Evaporation rate</b>	< 1
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>SADT</b>	No data available.
<b>pH</b>	Not applicable
<b>Viscosity, dynamic:</b>	No data available.

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<b>Viscosity, kinematic:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Reactive.
<b>Solubility (other):</b>	Hexanes
<b>Partition coefficient (n-octanol/water)Log Pow</b>	No data available.
<b>Vapor pressure</b>	Not applicable
<b>Density</b>	1 g/cm <sup>3</sup> (20 °C)
<b>Relative density</b>	ca. 1.0
<b>Vapor density</b>	No data available.

**10 Stability and reactivity**

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	Reacts with water forming ethanol. Avoid contact with acids and oxidizing substances.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Silicon dioxide. 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 SDS for formaldehyde is available from Momentive.

**11 Toxicological information**

**Acute toxicity (list all possible routes of exposure)**

<b>Oral</b>	
<b>Product:</b>	No data available. ATEmix: 3,357.51 mg/kg
<b>Dermal</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	

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gamma-Aminopropyltriethoxysilane No data available.

Carbon Black No data available.

DIBUTYL TINOXIDE (48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane NOAEL (No Observed Adverse Effect Level) (Rat): 200 mg/kg/d  
(Rat(Male)): 147 mg/m<sup>3</sup>

**Skin Corrosion/Irritation**

**Product:** OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 4.0 h): The health hazard evaluation is based on the toxicological properties of a similar material.

**Components:**

gamma-Aminopropyltriethoxysilane Similar to OECD 404 (Rabbit): Corrosive

Carbon Black No data available.

DIBUTYL TINOXIDE (48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

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**Components:**

gamma-Aminopropyltriethoxysilane	similar to OECD 405 (Rabbit): Strongly irritating.
Carbon Black	No data available.
DIBUTYL TINOXIDE (48% as Tin)	No data available.
Di-(2-ethylhexyl)phthalate	No data available.

**Respiratory sensitization**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane	No data available.
Carbon Black	No data available.
DIBUTYL TINOXIDE (48% as Tin)	No data available.
Di-(2-ethylhexyl)phthalate	No data available.

**Skin sensitization**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane	No data available.
Carbon Black	No data available.
DIBUTYL TINOXIDE (48% as Tin)	No data available.
Di-(2-ethylhexyl)phthalate	No data available.

**Carcinogenicity**

**Product:** No data available.

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**Components:**

gamma-aminopropyltriethoxysilane      No data available.

Carbon Black      No data available.

DIBUTYL TINOXIDE (48% as Tin)      No data available.

Di-(2-ethylhexyl)phthalate      No data available.

**Japan Society for Occupational Health: Carcinogen:**

Di-(2-ethylhexyl)phthalate

**Japan. ISHL Designated Carcinogen:**

No carcinogenic components identified

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified



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**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane  
Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)):  
Mammalian cytogenicity test (OECD 476): negative (not mutagenic)  
(EPA test guideline 560/6-83-001)negative (not mutagenic)

Carbon Black No data available.

DIBUTYL TINOXIDE  
(48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**In vivo**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane  
Micronucleus test (mouse) (Similar to OECD 474) :

Carbon Black No data available.

DIBUTYL TINOXIDE  
(48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Reproductive toxicity**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane  
No data available.

Carbon Black No data available.

DIBUTYL TINOXIDE  
(48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

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**Components:**

gamma-Aminopropyltriethoxysilane No data available.

Carbon Black No data available.

DIBUTYL TINOXIDE (48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane No data available.

Carbon Black No data available.

DIBUTYL TINOXIDE (48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Aspiration Hazard**

**Product:** No data available.

**Components:**

gamma-Aminopropyltriethoxysilane No data available.

Carbon Black No data available.

DIBUTYL TINOXIDE (48% as Tin) No data available.

Di-(2-ethylhexyl)phthalate No data available.

**Other effects:** No data available.

**12 Ecological information**

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**Ecotoxicity:**

**Acute hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Components:**

gamma- LC 50 (96 h (OECD-Guideline 203 (Fish, Acute Toxicity Test))): > 110 mg/l  
Aminopropyltriethoxysilan  
e

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**

gamma- EC50 (Daphnia, 48 h (OECD Test Guideline 202)): > 100 mg/l  
Aminopropyltriethoxysilan  
e

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

gamma- No data available.  
Aminopropyltriethoxysilan  
e  
Carbon Black No data available.  
DIBUTYL TINOXIDE No data available.  
(48% as Tin)  
Di-(2-ethylhexyl)phthalate No data available.

**Toxicity to microorganisms**

**Product:** No data available.

**Components**

gamma- No data available.  
Aminopropyltriethoxysilan  
e  
Carbon Black No data available.  
DIBUTYL TINOXIDE No data available.  
(48% as Tin)  
Di-(2-ethylhexyl)phthalate No data available.

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

gamma- No data available.

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Aminopropyltriethoxysilane

Carbon Black No data available.  
 DIBUTYL TINOXIDE No data available.  
 (48% as Tin)  
 Di-(2-ethylhexyl)phthalate No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:** No data available.

**Hazardous to the ozone layer:** Not Regulated

**Further Information:** No data available.

**13 Disposal considerations**

**General information:** Do not discharge into drains, water courses or onto the ground. The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment.

**Disposal methods:** Dispose of according to all federal, state and local applicable regulations.  
**Contaminated Packaging:** No data available.

**14 Transport information**

**International regulations**

**IMDG - International Maritime Dangerous Goods Code**

Not regulated.

**IATA**

Not regulated.

**National Regulations**

**Domestic Standard:** In compliance with domestic law.

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**Special precautions for user:**

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.  
Keep away from foodstuffs and animal feed.

**15 Regulatory information**

**Japan CSCL:**

**Priority Assessment Chemical Substances:** Bis(2-ethylhexan-1-yl) phthalate

**Monitoring Chemical Substances:** Not Regulated

**Law concerning Pollutant Release and Transfer Register:**

**Specified Class 1 substance(s):** Not Regulated

**Class 1 Substance(s):** Not Regulated

**Class 2 Substance(s):** Not Regulated

**Industrial Safety and Health Act:**

**Article 57-2 Regulated Substance(s):** CARBON BLACK; TIN AND TIN COMPOUNDS; BIS(2-ETHYLHEXYL) PHTHALATE;

**Article 57 Regulated Substance(s) subject to labeling:** CARBONBLACK  
BIS(2-ETHYLHEXYL) PHTHALATE

**Organic Solvent Regulation  
Specified Substances Regulation:**

Not Regulated  
**Class 1 designated chemical substances:**  
Not Regulated  
**Class 2 designated chemical substances:**  
Not Regulated  
**Class 3 designated chemical substances:**  
Not Regulated

**Poisonous and Deleterious Substances Control Act:**

**Specified poisonous substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Poisonous Substance(s):**

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**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Deleterious Substance(s):**

**Main law:** Not Regulated

**Cabinet order:** Not Regulated

**Fire Service Law:** Designated Combustible material (Combustible Solid)  
Keep away from fire

**High Pressure Gas Safety Law:** Not Regulated

**Act on Prevention of Marine Pollution and Maritime Disaster:** Not Regulated

**Inventory Status:**

Australia AICS:	Not in compliance with the inventory.	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.

**16 Other Information**

**Revision Information:** ARGLO\_INVSTSARGHS\_JP  
**Issue Date:** 12/10/2021  
**SDS No.:**

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**Disclaimer:**

**Notice to reader**

This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, or where a residue may possibly remain in the body.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safehandling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Literature Reference:** No data available.