SAFETY DATA SHEET

1. Identification

Product identifier: RAPIDSTRENGTH RGS7703

Other means of identification Not available.

Recommended use and restriction on use

Recommended use: Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information:

Momentive Performance Materials LLC
260 Hudson River Road
Waterford NY 12188

Contact person: commercial.services@momentive.com

Telephone:
General information
+1-800-295-2392

Emergency telephone number:
Supplier: CHEMTREC
1-800-424-9300

2. Hazard(s) identification

Hazard Classification: Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: not applicable

Precautionary Statements: not applicable

Other hazards which do not result in GHS classification: None.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Calcium Carbonate</td>
<td>471-34-1</td>
<td>20 - &lt;50%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>57-11-4</td>
<td>1 - &lt;5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Aminoethyl aminopropyl trimethoxy silane</td>
<td>1760-24-3</td>
<td>0.1 - &lt;1%</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

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

4. First-aid measures

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water.

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.

Skin Contact: No data available.

Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed

Symptoms: Treatment is symptomatic and supportive.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: No data available.
Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:**
All standard extinguishing agents are suitable.

**Unsuitable extinguishing media:**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:**
No data available.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:**
Provide adequate general and local exhaust ventilation. Keep away from sources of ignition - No smoking.

**Special protective equipment for fire-fighters:**
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
Avoid contact with eyes. Curing releases vapors which may be harmful. Keep out of reach of children.

**Methods and material for containment and cleaning up:**
Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

7. Handling and storage

**Precautions for safe handling:**
Sensitivity to static discharge is not expected.

**Conditions for safe storage, including any incompatibilities:**
No data available.

8. Exposure controls/personal protection

**Control Parameters**

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Calcium Carbonate -</td>
<td>REL</td>
<td>10 mg/m3</td>
<td>US. NIOSH; Pocket Guide to Chemical Hazards (2010)</td>
</tr>
</tbody>
</table>
**Appropriate Engineering Controls**

Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

<table>
<thead>
<tr>
<th>General information:</th>
<th>Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/face protection:</td>
<td>Safety glasses with side shields</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>Cloth gloves.</td>
</tr>
<tr>
<td>Hand Protection:</td>
<td>Cloth gloves.</td>
</tr>
<tr>
<td>Other:</td>
<td>Wear suitable protective clothing and eye/face protection.</td>
</tr>
<tr>
<td>Respiratory Protection:</td>
<td>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).</td>
</tr>
<tr>
<td>Hygiene measures:</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

### 9. Physical and chemical properties

**Appearance**

| Physical state: | liquid |
| Form: | liquid |
| Color: | No data available. |
| Odor: | Odorless |
| Odor threshold: | No data available. |
| pH: | No data available. |
| Melting point/freezing point: | not applicable |
| Initial boiling point and boiling range: | > 300 °C |
**Flash Point:** 125 °C (PENSKY-MARTENS)
**Evaporation rate:** not applicable
**Flammability (solid, gas):** No data available.

**Upper/lower limit on flammability or explosive limits**
- **Flammability limit - upper (%):** No data available.
- **Flammability limit - lower (%):** No data available.
- **Explosive limit - upper (%):** No data available.
- **Explosive limit - lower (%):** No data available.

**Heat of combustion:** No data available.

**Vapor pressure:** Negligible
**Vapor density:** Negligible
**Density:** ca. 1.5 g/cm³
**Relative density:** ca. 1.50
**Solubility(ies)**
- **Solubility in water:** Insoluble
- **Solubility (other):** Toluene

**Partition coefficient (n-octanol/water) Log Pow:** No data available.
**Auto-ignition temperature:** not applicable
**Decomposition temperature:** To avoid thermal decomposition, do not overheat.
**SADT:** No data available.
**Viscosity, dynamic:** No data available.
**Viscosity, kinematic:** No data available.
**VOC:** 6 g/l

### 10. Stability and reactivity

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerisation does not occur.

**Conditions to avoid:** None known.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:**
Carbon dioxide Silicon dioxide. Ethanol. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
11. Toxicological information

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

<table>
<thead>
<tr>
<th>Route</th>
<th>Data Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>No data available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No data available.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>No data available.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>No data available.</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

**Oral**

Product: Specified substance(s):

- Octadecanoic acid LD 50 (Rat, No data available.): > 2,000 mg/kg
- Aminoethyl aminopropyl trimethoxy silane LD 50 (Rat): 2,995 mg/kg

**Dermal**

Product: Specified substance(s):

- Aminoethyl aminopropyl trimethoxy silane LD 50 (Rabbit): > 2,000 mg/kg

**Inhalation**

Product: Specified substance(s): No data available.

Repeated dose toxicity
Product: Specified substance(s): No data available.
Aminoethyl aminopropyl trimethoxy silane

NOAEL (Rat, Oral, 28 d): >= 500 mg/kg

Skin Corrosion/Irritation
Product: No data available.

Serious Eye Damage/Eye Irritation
Product: No data available.

Respiratory or Skin Sensitization
Product: No data available.

Carcinogenicity
Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.
12. Ecological information

Ecotoxicity:

**Acute hazards to the aquatic environment:**

**Fish**
Product: No data available.

**Specified substance(s):**
- Octadecanoic acid
  - LC0 (Brachydanio rerio, 96 h): > 100 mg/l
  - LC0 (Leuciscus idus, 96 h): > 100 mg/l
- Aminoethyl aminopropyl trimethoxy silane
  - LC50 (Lepomis macrochirus): > 100 mg/l

**Aquatic Invertebrates**
Product: No data available.

**Specified substance(s):**
- Aminoethyl aminopropyl trimethoxy silane
  - EC50 (Daphnia magna, 48 h): 87.4 mg/l

**Chronic hazards to the aquatic environment:**

**Fish**
Product: No data available.

**Specified substance(s):**
- Octadecanoic acid
  - LC0 (Brachydanio rerio, 4 d): > 100 mg/l
  - LC0 (Leuciscus idus, 4 d): > 100 mg/l

**Aquatic Invertebrates**
Product: No data available.

**Toxicity to Aquatic Plants**
Product: No data available.

**Specified substance(s):**
- Aminoethyl aminopropyl trimethoxy silane
  - EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): 8.8 mg/l
  - NOEC (Algae (Pseudokirchneriella subcapitata)): 3.1 mg/l

**Persistence and Degradability**

**Biodegradation**
Product: No data available.
RAPIDSTRENGTH RGS7703

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.

Known or predicted distribution to environmental compartments
(1) Calcium Carbonate No data available.
Octadecanoic acid No data available.
Aminoethyl aminopropyl trimethoxy silane No data available.

Other adverse effects: No data available.

13. Disposal considerations

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

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

Contaminated Packaging: No data available.

14. Transport information

DOT Not regulated.

IMDG Not regulated.

IATA Not regulated.
### Special precautions for user:

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

### 15. Regulatory information

#### US Federal Regulations

- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):**
  None present or none present in regulated quantities.

- **CERCLA Hazardous Substance List (40 CFR 302.4):**
  None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

- **Hazard categories**
  - Acute Health Hazard
  - Immediate (Acute) Health Hazards
  - Fire Hazard

- **SARA 302 Extremely Hazardous Substance**
  None present or none present in regulated quantities.

- **SARA 304 Emergency Release Notification**
  None present or none present in regulated quantities.

- **SARA 311/312 Hazardous Chemical**
<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Calcium Carbonate</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Octadecanoic acid</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Aminoethyl aminopropyl trimethoxy silane</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

- **SARA 313 (TRI Reporting)**
  None present or none present in regulated quantities.

- **Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**
  None present or none present in regulated quantities.

- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**
  None present or none present in regulated quantities.

#### US State Regulations

- **US. California Proposition 65**
  This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.
Carbon Black  Carcinogenic.
Methanol  Maximum Allowable Dose Level
(MADL): 47000 µg/day.
Developmental toxin.

US. New Jersey Worker and Community Right-to-Know Act

**Chemical Identity**
(1) Calcium Carbonate
Siloxanes and Silicones, di-Me hydroxy terminated
Dimethylpolysiloxane
Polydimethylsiloxane
SILOXANES AND SILICONES, DI-ME
Carbon Black
Aminoethyl aminopropyl trimethoxy silane

US. Massachusetts RTK - Substance List

**Chemical Identity**
(1) Calcium Carbonate
1,2-Ethylenediamine

US. Pennsylvania RTK - Hazardous Substances

**Chemical Identity**
(1) Calcium Carbonate

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.
Inventory Status:

<table>
<thead>
<tr>
<th>Country/MList</th>
<th>Status</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia AiCS</td>
<td>y (pl)</td>
<td>None.</td>
</tr>
<tr>
<td>EU EINECS List</td>
<td>y (pl)</td>
<td>None.</td>
</tr>
<tr>
<td>Japan (ENCS) List</td>
<td>y (pl)</td>
<td>None.</td>
</tr>
<tr>
<td>China Inventory of Existing Chemical Substances</td>
<td>n (nl)</td>
<td>None.</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inv. (KECI):</td>
<td>y (pl)</td>
<td>None.</td>
</tr>
<tr>
<td>Canada DSL Inventory List</td>
<td>y (pl)</td>
<td>None.</td>
</tr>
<tr>
<td>Canada NDSL Inventory</td>
<td>n (nl)</td>
<td>Remarks: On TSCA Inventory</td>
</tr>
<tr>
<td>Philippines PICCS</td>
<td>y (pl)</td>
<td>None.</td>
</tr>
<tr>
<td>US TSCA Inventory</td>
<td>y (pl)</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Taiwan. Taiwan inventory (CSNN)</td>
<td>n (nl)</td>
<td>Remarks: None.</td>
</tr>
</tbody>
</table>

16. Other information, including date of preparation or last revision

HAMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>0</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTION

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Issue Date: 02/22/2017
Revision Date: No data available.
Version #: 2.0
Further Information: No data available.
Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (>30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives. Keep out of the reach of children.

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 safe handling, 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.