

# SAFETY DATA SHEET

## RAPID SET SEALANT – GREY

<b>Version:</b> 1.0	<b>Revision Date:</b> 12/2014	<b>MSDS Number:</b> GHS-15004-RSGR	<b>Date Completed:</b> 02/2015
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### SECTION 1. IDENTIFICATION

Product Name: Rapid Set Sealant - Grey

#### Manufacturer or supplier's details

Company name of supplier: JIT Silicones Plus

Address: 5 Industrial Park Drive  
Oakdale, PA 15071

Telephone: 855-548-7587

Emergency Telephone: 24 Hour Emergency Telephone:  
CHEMTREC: (800) 424-9300

#### Recommended use of the chemical and restrictions on use

Recommended use: Adhesive, binding agents

### SECTION 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	
Not a hazardous substance or mixture.	
<b>GHS Label Element</b>	
Not a hazardous substance or mixture.	
	<b>Prevention:</b> P271 Use only outdoors or in a well ventilated area.
<b>Other hazards:</b>	
None known	

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Chemical nature: Silicone

#### Hazardous Ingredients:

Chemical Name	CAS-No.	Concentration (%)
Amorphous fumed silica	112945-52-5	>= 1 - <= 5
Titanium(4+) 2-methylpropan-2-olate	3087-39-6	> = 1 - < 5
Quartz	14808-60-7	>= 0.1 - < 1

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### SECTION 4. FIRST AID MEASURES

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice.
If inhaled:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	None known.
Protection of first-aiders:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician:	Treat symptomatically and supportively.

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### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray Alcohol-resistant foam Dry chemical Carbon dioxide (CO <sub>2</sub> )
Unsuitable extinguishing media:	None known.
Specific hazards during fire-fighting:	Exposure to combustion products may be a hazard to health.
Hazardous combustion products:	Carbon oxides Silicon oxides Formaldehyde Metal oxides

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Specific extinguishing methods:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
Special protective equipment for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures:	See Engineering measures under EXPOSURE CONTROLS/ PERSONAL PROTECTION section.
Local/Total ventilation:	Use only with adequate ventilation.
Advice on safe handling:	Do not get on skin or clothing. Do not swallow. Avoid contact with eyes.

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Handle in accordance with good industrial hygiene and safety practice.  
Take care to prevent spills, waste and minimize release to the environment.

**Conditions for safe storage:** Keep in properly labeled containers.  
Store in accordance with the particular national regulations.

**Materials to avoid:** Do not store with the following product types:  
Strong oxidizing agents

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
Amorphous fumed silica	112945-52-5	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica)	OSHA Z-3
		TWA	6 mg/m <sup>3</sup> (Silica)	NIOSH REL

#### Hazardous components without workplace control parameters

Ingredients	CAS-No.
Titanium(4+) 2-methylpropan-2-olate	3087-39-6
Quartz	14808-60-7

**Engineering measures:** Processing may form hazardous compounds (see section 10),. Ensure adequate ventilation, especially in confined areas.  
Minimize workplace exposure concentrations.

**Personal protective equipment:**  
**Respiratory protection:** No personal respiratory protective equipment normally required.

**Hand protection**  
**Material:** Impervious gloves

**Remarks:** Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often!  
For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks

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and at the end of workday.

Eye protection:	Wear the following personal protective equipment: Safety goggles
Skin and body protection:	Skin should be washed after contact.
Hygiene measures:	Ensure that eye flushing systems and safety showers are located close to the working place. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste
Color:	Grey
Odor:	Alcoholic
Odor Threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not classified as a flammability hazard
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	Not applicable
Relative vapor density:	No data available
Relative density:	1.35
Solubility./(ies)	

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Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity	
Viscosity, dynamic:	Not applicable
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Molecular weight:	No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not classified as a reactivity hazard.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Methyl alcohol is formed upon contact with water or humid air. Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid:	None known.
Incompatible materials:	Oxidizing agents
Hazardous decomposition products:	
Thermal decomposition:	Formaldehyde

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### SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
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**Ingredients:**

<b>Amorphous fumed silica:</b> Acute oral toxicity:	LD50 (Rat): 20,000 mg/kg Assessment: The substance or mixture has no acute oral toxicity Remarks: Information taken from reference works and the literature.
<b>Titanium(4+) 2-methylpropan-2-olate:</b> Acute oral toxicity:	LD50 (Rat): 3,500 mg/kg
<b>Quartz:</b> Acute oral toxicity:	LD50 (Rat): >5,000 mg/kg
<b>Skin corrosion/Irritation:</b> Not classified based on available information.	
<b>Ingredients:</b>	
<b>Titanium(4+) 2-methylpropan-2-olate:</b> Result: Sink irritation.	
<b>Serious eye damage/eye irritation:</b> Not classified based on available information.	
<b>Ingredients:</b>	
<b>Titanium(4+) 2-methylpropan-2-olate:</b> Result: Irritation to eyes, reversing within 21-days.	
<b>Respiratory or skin sensitization:</b> Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.	

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<b>Germ cell mutagenicity:</b> Not classified based on available information.	
<b>Carcinogenicity:</b> Not classified based on available information.	
<b>Ingredients:</b> <b>Quartz:</b> Species: Humans Application Route: Inhalation (dust/mist/fume) Result: Positive Remarks: IARC (International Agency for Research on Cancer: The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.	
<b><u>Carcinogenicity – Assessment:</u></b>	Positive evidence from human epidemiological studies (inhalation).
<b>IARC</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA:</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP:</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
<b>Reproductive toxicity:</b>	Not classified based on available information.
<b>STOT-single exposure:</b>	Not classified based on available information.
<b>STOT-repeated exposure:</b>	Not classified based on available information.
<b>Ingredients:</b>	
<b>Quartz:</b>	Routes of exposure: Inhalation (dust/mist/fume) Target Organs: Lungs Assessment: Shown to produce



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	significant health effects in animals at concentrations of 0.01 mg/l/6h/d or less.
<b>Repeated dose toxicity</b>	
<b>Ingredients:</b>	
<b>Quartz:</b>	Species: Humans LOAEL: 0.053 mg/m <sup>3</sup> Application Route: Inhalation Remarks: OECD SIDS The substance is inextricably bound in the product and therefore does not contribute to a dust inhalation hazard.
<b>Aspiration toxicity:</b>	Not classified based on available information.

### SECTION 12. ECOLOGICAL INFORMATION

<b>Exotoxicity:</b> No data available.	
<b>Persistence and degradability:</b> No data available.	
<b>Bioaccumulative potential:</b> No data available.	
<b>Mobility in soil:</b> No data available.	
<b>Other adverse effects:</b> No data available.	

### SECTION 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods</b> Resource Conservation and Recovery Act (RCRA):	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste from residues:	Dispose of in accordance with local regulations.
Contaminated packaging:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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### SECTION 14. TRANSPORT CONSIDERATIONS

#### International Regulation

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II or MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good.

### SECTION 15. REGULATORY INFORMATION

#### EPCRA – Emergency Planning and Community Right-to-Know

##### Table Quantity

Ingredients	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
	67-56-1	5000	*

\*exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 311/312 Hazards:

No SARA Hazards.

#### SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### Pennsylvania Right To Know

Dimethyl siloxane, trimethoxysilyl-terminated	Not assigned	30 - 50 %
Calcium carbonate	471-34-1	30 – 50%
Dimethyl siloxane, hydroxyl-terminated	63148-62-9	10 – 20%
Amorphous fumed silica	112945-52-5	1 – 5%

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	Metanol	67-56-1	0 – 0.1%
	TERT-Butyl alcohol	75-65-0	0 – 0.1%
<b>New Jersey Right To Know</b>			
	Dimethyl siloxane, trimethoxysilyl-terminated	Not Assigned	30 - 50%
	Calcium carbonate	471-34-1	30 - 50%
	Dimethyl siloxane, hydroxyl-terminated	63148-62-9	10 – 20%
	Amorphous fumed silica	112945-52-5	1 – 5%
	Titanium(4+) 2-methylpropan-2-olate	3087-39-6	1 – 5%
	Quartz	14808-60-7	0.1 – 1%
<b>California Prop 65</b>		WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.	
	Methanol	67-56-1	

The ingredients of this product are reported in the following inventories:

TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
IECSC:	All ingredients listed or exempt.
DSL:	This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please contact JIT Silicones Plus.

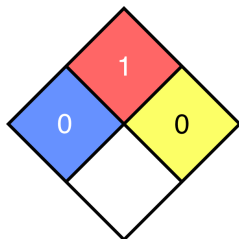
### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA).

## SECTION 16. OTHER INFORMATION

### Further Information

#### NFPA:



#### HMIS III:

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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<b>Full text of other abbreviations</b>	
NIOSH REL:	USA. NIOSH Recommended Exposure Limits
OSHA Z-3:	USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts
NIOSH REL / TWA	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-3 / TWA	8-hour time-weighted average
Sources of key data used to compile the Material Safety Data Sheet	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
<b>Revision Date:</b>	<b>12/05/2014</b>

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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