

1. PRODUCT AND COMPANY IDENTIFICATION

- **Product identifier**
- **CRL Catalog Number:** GN105P, GN105PS
- **Trade name:** 15007B Gunther Premier Plus (Grey)
- **Relevant identified uses of the substance or mixture.** Sealant
- **Application of the substance / the mixture** Sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Royal Adhesives And Sealants, LLC
2001 W. Washington Street
South Bend IN 46628-2023
Information Phone Number: 574-246-5000
- **Information department:** Environment protection department.
- **Emergency telephone number:**
ChemTrec: Day or Night within USA and Canada: 1-800-424-9300.
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

2. HAZARDS IDENTIFICATION

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
May cause an allergic skin reaction.
- **Precautionary statements**
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

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2. HAZARDS IDENTIFICATION (CONTINUED)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	1	Fire = 1
PHYSICAL HAZARD	0	Physical Hazard = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterization: Mixtures**
- **Description: Mixture**

- **Hazardous components:**

471-34-1	calcium carbonate	25-50%
13463-67-7	titanium dioxide	≤2.5%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	≤1%
125304-04-3	2-(2H-Benzothiazol-2-yl)-6-(dodecyl)-4-methylphenol	≤0.1%

4. FIRST AID MEASURES

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air or oxygen; call for doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Seek medical treatment.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5. FIRE FIGHTING MEASURES

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.

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5. FIRE FIGHTING MEASURES (CONTINUED)

- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste in accordance with federal state and local regulations.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

471-34-1	calcium carbonate	45 mg/m ³
112945-52-5	Amorphous Silica	18 mg/m ³
2768-02-7	trimethoxyvinylsilane	9.5 ppm
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	23 mg/m ³
13822-56-5	3-(trimethoxysilyl)propylamine	30 mg/m ³

- **PAC-2:**

471-34-1	calcium carbonate	210 mg/m ³
112945-52-5	Amorphous Silica	100 mg/m ³
2768-02-7	trimethoxyvinylsilane	100 ppm
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	250 mg/m ³
13822-56-5	3-(trimethoxysilyl)propylamine	330 mg/m ³

- **PAC-3:**

471-34-1	calcium carbonate	1,300 mg/m ³
112945-52-5	Amorphous Silica	630 mg/m ³
2768-02-7	trimethoxyvinylsilane	120 ppm
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	1,500 mg/m ³
13822-56-5	3-(trimethoxysilyl)propylamine	2,000 mg/m ³

7. HANDLING AND STORAGE

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location away from direct heat.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

7. HANDLING AND STORAGE (CONTINUED)

· *Specific end use(s) No further relevant information available.*

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

· *Additional information about design of technical systems: No further data; see item 7.*

· *Control parameters*

· *Components with limit values that require monitoring at the workplace:*

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

471-34-1 calcium carbonate	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn
13463-67-7 titanium dioxide	
PEL	Long-term value: 15* mg/m ³ *total dust
REL	See Pocket Guide App. A
TLV	Long-term value: 10 mg/m ³

· *Exposure controls*

· *Personal protective equipment (see listings below)*

· *General protective and hygienic measures:*

The usual precautionary measures for handling chemicals should be followed.

· *Breathing equipment: Not necessary if room is well-ventilated.*

· *Protection of hands:*



Protective gloves

· *Material of gloves*

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· *Penetration time of glove material*

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· *Eye protection: Safety glasses with side shields.*

· *Body protection: Protective work clothing*

9. PHYSICAL AND CHEMICAL PROPERTIES

· *Information on basic physical and chemical properties*

· *General Information*

· *Appearance:*

Form: Paste

Color: Gray

9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value:	Not applicable.
· Change in condition	
Melting point:	Undetermined.
Boiling point:	Undetermined
· Flash point:	> 100 °C (>212 °F)
· Flammability (solid, gaseous):	Not determined.
· Ignition temperature:	420 °C (788 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Flammable limits:	
Lower:	0.1 Vol %
Upper:	0.2 Vol %
· Vapor pressure:	Not applicable.
· Specific gravity at 20 °C (68 °F):	1.44 g/cm ³ (12.0168 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Insoluble
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	Not available.
· Other information	VOC's = 0.02% or 0.3 G/L

10. STABILITY AND REACTIVITY

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No further information is available.
- **Conditions to avoid** Exposure to high temperatures.
- **Incompatible materials:**
 - Reacts with acids.
 - Reacts with oxidizing agents.
- **Hazardous decomposition products:**
 - Carbon monoxide and carbon dioxide

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10. STABILITY AND REACTIVITY (CONTINUED)

Hydrocarbons

11. TOXICOLOGICAL INFORMATION

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** May irritate the skin.
- **on the eye:** May irritate the eye.
- **Sensitization:** Skin Contact - May cause allergic skin reaction.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

13463-67-7	titanium dioxide	2B
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12. ECOLOGICAL INFORMATION

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** At present there are no ecotoxicological assessments.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13. DISPOSAL CONSIDERATIONS

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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14. TRANSPORT INFORMATION

<ul style="list-style-type: none"> · UN-Number · DOT, ADN, IMDG, IATA 	not regulated
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADN, IMDG, IATA 	not regulated
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADN, IMDG, IATA · Class 	not regulated
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	not regulated
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	.
<ul style="list-style-type: none"> · Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	DOT, ADR, IMDG, IATA - Not regulated in transport. Not dangerous according to the above specifications.
<ul style="list-style-type: none"> · UN "Model Regulation": 	not regulated

15. REGULATORY INFORMATION

<ul style="list-style-type: none"> · Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara 	
<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances): 	None of the ingredients is listed.
<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings): 	None of the ingredients is listed.
<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act): 	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
<ul style="list-style-type: none"> · Proposition 65 	
<ul style="list-style-type: none"> · Chemicals known to cause cancer: 	28553-12-0 diisononyl phthalate
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for females: 	None of the ingredients is listed.
<ul style="list-style-type: none"> · Chemicals known to cause reproductive toxicity for males: 	None of the ingredients is listed.
<ul style="list-style-type: none"> · Chemicals known to cause developmental toxicity: 	None of the ingredients is listed.
<ul style="list-style-type: none"> · (DSL) Canada Domestic Substance List 	All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.

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15. REGULATORY INFORMATION (CONTINUED)

· New Jersey Right-to-Know List:		
13463-67-7	titanium dioxide	
· New Jersey Special Hazardous Substance List:		
None of the ingredients is listed.		
· Pennsylvania Right-to-Know List:		
13463-67-7	titanium dioxide	
· Pennsylvania Special Hazardous Substance List:		
None of the ingredients is listed.		
· Carcinogenicity categories		
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
13463-67-7	titanium dioxide	A4
· MAK (German Maximum Workplace Concentration)		
13463-67-7	titanium dioxide	3A
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
· National regulations:		
· Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.		
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.		

16. OTHER INFORMATION

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Royal Adhesives & Sealants makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Royal Adhesives & Sealants or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

- **Department issuing SDS:** Environment protection department.
- **Creation Date:** 08/14/2018
- **Date of preparation / last revision** 08/14/2018 / 2

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit

16. OTHER INFORMATION (CONTINUED)

REL: Recommended Exposure Limit
Skin Sens. 1: Skin sensitisation – Category 1

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