# 1 Identification

- **Product identifier**
- **Trade name:** WS-8010 Class B-2 Part B
- **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 Hazard(s) identification

- **Classification of the substance or mixture**
  - [GHS09 Environment](#)
  - Aquatic Chronic 2  H411  Toxic to aquatic life with long lasting effects.
- **Label elements**
  - **GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
  - [GHS09](#)
- **Signal word** Void
- **Hazard statements**
  - Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
  - Avoid release to the environment.
  - Collect spillage.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 2
    - Fire = 1
    - Reactivity = 0

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Trade name: WS-8010 Class B-2 Part B

· HMIS-ratings (scale 0 - 4)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Health = 2
Fire = 1
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:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>68611-50-7</td>
<td>Polysulphide Polymer</td>
<td>50-100%</td>
</tr>
<tr>
<td>471-34-1</td>
<td>calcium carbonate</td>
<td>10-25%</td>
</tr>
<tr>
<td>68611-50-7</td>
<td>proprietary modified polysulphide polymer</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>2.5-10%</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (SiO2)</td>
<td>≤0.1%</td>
</tr>
<tr>
<td>13870-56-7</td>
<td>Thiuram Accelerator</td>
<td>≤0.09%</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
· After inhalation:
  Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.
· After skin contact: Immediately wash with water and soap and rinse thoroughly.
· After eye contact:
  Rinse opened eye for 20 minutes under running water. If eye becomes irritated, obtain medical treatment.
· 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.
· Special hazards arising from the substance or mixture No further relevant information available.
· Advice for firefighters
· Protective equipment: Protective clothing and 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.

7 Handling and storage

- **Handling**: Avoid prolonged or repeated contact with skin.
  Avoid contact with eyes.
  Wash thoroughly after handling.
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.

- **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.

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**:

<table>
<thead>
<tr>
<th>Substance</th>
<th>PEL</th>
<th>REL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7 titanium dioxide</td>
<td>Long-term value: 15* mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*total dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>See Pocket Guide App. A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14808-60-7 Quartz (SiO2)</td>
<td>Long-term value: 0.05* mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>*respirable dust; See Pocket Guide App. A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 4)
Safety Data Sheet
acc. to OSHA HCS

Trade name: WS-8010 Class B-2 Part B

TLV Long-term value: 0.025* mg/m³
*as respirable fraction

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment (see listings below)
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.

Breathing equipment:
Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacturer.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves
Nitrile rubber, NBR
Chloroprene rubber, CR
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 breakthrough 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: Red
Odor: Characteristic
Odor threshold: Not determined.

pH-value: Not determined.

Change in condition
Melting point: Undetermined.
Boiling point: > 97 °C (> 207 °F)
Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature:
Decomposition temperature: Not determined.
Auto igniting: Product is not selfigniting.
42.0 · Danger of explosion: Product does not present an explosion hazard.
· Vapor pressure: Not determined.
· Specific gravity at 20 °C (68 °F): 1.52 g/cm³ (12.684 lbs/gal)
· Relative density Not determined.
· Vapor density Not determined.
· Evaporation rate Not determined.
· Solubility in / Miscibility with Water: Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water): Not determined.
· Viscosity: Dynamic: Not determined.
· Kinematic: Not determined.
· Solvent content: Organic solvents: 0.0 %
· Solids content: not available
· Other information No further relevant information available.

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 dangerous reactions known.
· Conditions to avoid Avoid high temperatures. Avoid freezing.
· Incompatible materials: Reacts with strong oxidizing agents.
· Hazardous decomposition products:
· Additional information:
Trace amounts of Formaldehyde are contained in this product. However, it is unlikely that this chemical will be released as the curing process is at ambient temperature.

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: No sensitizing effects known.
· Additional toxicological information:
· Carcinogenic categories
· IARC (International Agency for Research on Cancer)
  13463-67-7 titanium dioxide 2B
  14808-60-7 Quartz (SiO2) 1
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.
  - Ecotoxical effects:
    - Remark: Harmful to fish

- 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.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA: not regulated

- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA: not regulated

- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA: not regulated
  - Class
    - DOT, ADR, ADN, IMDG, IATA: not regulated

- Packing group
  - DOT, ADR, IMDG, IATA: not regulated

- Environmental hazards:
  - Not applicable.

- Special precautions for user
  - Not applicable.
### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
  - **Section 355 (extremely hazardous substances):**
    - None of the ingredients is listed.
  - **Section 313 (Specific toxic chemical listings):**
    - Thiuram Accelerator
  - **TSCA (Toxic Substances Control Act):**
    - All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
  - **Proposition 65**
  - **Chemicals known to cause cancer:**
    - 13463-67-7 titanium dioxide
  - **Chemicals known to cause reproductive toxicity:**
    - None of the ingredients is listed.
  - **Chemicals known to cause developmental toxicity:**
    - None of the ingredients is listed.
  - **(DSL) Canada Domestic Substance List**
    - All components of this product are on the DSL(Canada Domestic Substance list) or are exempt from DSL requirements.
  - **New Jersey Right-to-Know List:**
    - None of the ingredients is listed.
  - **New Jersey Special Hazardous Substance List:**
    - None of the ingredients is listed.
  - **Pennsylvania Right-to-Know List:**
    - None of the ingredients is listed.
  - **Pennsylvania Special Hazardous Substance List:**
    - None of the ingredients is listed.

- **Cancerogenity categories**
  - **EPA (Environmental Protection Agency)**
    - None of the ingredients is listed.
  - **TLV (Threshold Limit Value established by ACGIH)**
    - 13463-67-7 titanium dioxide A4
    - 14808-60-7 Quartz (SiO2) A2
    - Thiuram Accelerator A4
  - **MAK (German Maximum Workplace Concentration)**
    - 13463-67-7 titanium dioxide 3A
    - 14808-60-7 Quartz (SiO2) 1
· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
  - 13463-67-7 titanium dioxide
  - 14808-60-7 Quartz (SiO2)

· **National regulations:**
  · **Water hazard class:** Water hazard class 3 (Self-assessment): extremely 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:** 06/07/2011
· **Date of preparation / last revision** 01/21/2016 / 1
· **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
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - 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
  - REL: Recommended Exposure Limit
  - Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2