

## Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing Date 09/12/2011

Revision Number 1

Reviewed on 09/12/2011

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Double Bubble Silicone (04030)
- **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 department:** Environment protection department.
- **Emergency telephone number:** ChemTrec: UNITED STATES 1(800)424-9300 INTERNATIONAL 703-527-3887

### 2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**  
 Job-Size Double-Bubble® Packages  
 Silicone Adhesive/Sealant (Brown and White Package)
- **Dangerous components:**  
 For Trade Secret information refer to 29 CFR 1910.120.

	Silicone	50-100%
	Amorphous Fumed Silica	2.5-10%
4253-34-3	methylsilanetriyl triacetate	2.5-10%

- **Additional information:** For the wording of the listed risk phrases refer to section 15.

### 3 Hazards identification

- **Classification of the substance or mixture**  
 The product is not classified according to the Globally Harmonized System (GHS).
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**  
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU/US" in the latest valid version.
- **Classification system:**  
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**  
 Observe the general safety regulations when handling chemicals.  
 The product is not subject to identification regulations according to directives on hazardous materials.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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· **HMIS-ratings (scale 0 - 4)**

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

## 4 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:**  
Wipe excess from skin.  
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for 15 minutes under running water. If eye becomes irritated, obtain medical treatment.
- **After swallowing:**  
Call a doctor immediately.  
Seek medical treatment.

## 5 Firefighting measures

- **Suitable extinguishing agents:**  
Use water fog, dry chemical, foam, Carbon Dioxide.  
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** Protective clothing and respiratory protective device.
- **Additional information**  
During a fire product may release carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide and formaldehyde.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.
- **Reference to other sections**  
Contaminated areas, even with small amounts of material, may present a slip hazard.  
Product evolves acetic acid when exposed to water or humid air.

## \* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.

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- **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:**  
Keep away from open flames and high temperatures.  
Store away from water.
- **Further information about storage conditions:** Store in a cool place.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data.
- **Components with limit values that require monitoring at the workplace:**  
Acetic Acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within established guidelines. OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **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  
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
- **Eye protection:** Safety glasses with side shields.
- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

- |   |   |
|---|---|
| · <b>General Information</b>            |   |
| · <b>Appearance:</b>                    |   |
| <b>Form:</b>                            | Paste   |
| <b>Color:</b>                           | Whitish                                       |
| · <b>Odor:</b>                          | Characteristic                                |
| · <b>Odour threshold:</b>               | Not determined.                               |
| · <b>pH-value:</b>                      | Not determined.                               |
| · <b>Change in condition</b>            |   |
| <b>Melting point:</b>                   | Undetermined.                                 |
| <b>Boiling point:</b>                   | Undetermined.                                 |
| · <b>Flash point:</b>                   | > 121°C (> 250 °F)                            |
| · <b>Flammability (solid, gaseous):</b> | Not applicable.                               |
| · <b>Ignition temperature:</b>          |   |
| <b>Decomposition temperature:</b>       | Not determined.                               |
| · <b>Auto igniting:</b>                 | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>           | Product does not present an explosion hazard. |

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<b>· Flammable limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>· Vapor pressure:</b> Not determined.	
<b>· Specific gravity at 20°C (68 °F):</b> 1.05 g/cm <sup>3</sup> (8.762 lbs/gal)	
<b>· Relative density</b> Not determined.	
<b>· Vapour density</b> Not determined.	
<b>· Evaporation rate</b> Not determined.	
<b>· Solubility in / Miscibility with Water:</b> Not miscible or difficult to mix.	
<b>· Segregation coefficient (n-octanol/water):</b> Not determined.	
<b>· Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>· Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (Per EPA 24)</b>	82.68 GMS/L
<b>· Solids content:</b> 100.0 %	
<b>· Other information</b> No further relevant information available.	

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
Acetic Acid on exposure to moisture or air, Silicon Dioxide, Carbon Oxides. Formaldehyde will form from thermal degradation.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Skin irritant.
- **on the eye:** Moderate eye irritant.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
Vapors may be irritating to eyes, nose and throat.  
The product is not subject to classification according to internally approved calculation methods for preparations.  
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.

### 12 Ecological information

- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

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· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive 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.

· **Carcinogenicity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

None of the ingredients listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients listed.

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

· **National regulations:**

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## 16 Other information

Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, 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 MSDS.

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· **Department issuing MSDS:** Environment protection department.

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**· Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*ICAO: International Civil Aviation Organization*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA)*

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