

Safety Data Sheet
acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

1 Identification

- **Product identifier**
- **Trade name:** **WS-8020 RC B-1/2CS Part B**
- **Relevant identified uses of the substance or mixture.** No further relevant information available.
- **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**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

Aquatic Chronic 3 H412 Harmful 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**



GHS02

- **Signal word** Warning
- **Hazard statements**
Flammable liquid and vapour.
Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Wear protective gloves / eye protection / face protection.
Ground/bond container and receiving equipment.
Keep container tightly closed.
Use only non-sparking tools.
Avoid release to the environment.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 1)

Take precautionary measures against static discharge.
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 In case of fire: Use for extinction: CO₂, powder or water spray.
 Store in a well-ventilated place. Keep cool.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
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 of the substances listed below with nonhazardous additions.

· **Dangerous components:**

Contains other Trade Secret Component(s).

For Trade Secret information refer to 29 CFR 1910.120.

68611-50-7	Polysulphide Elastomer	50-100%
471-34-1	calcium carbonate	10-25%
67762-90-7	Synthetic Amorphous Silica	2.5-10%
68611-50-7	Polysulphide Polymer	2.5-10%
13463-67-7	titanium dioxide	2.5-10%
141-78-6	ethyl acetate	2.5-10%
	Adhesion Promoter	2.5-10%
108-95-2	phenol	≤2.5%
95-48-7	o-cresol	≤.09%
50-00-0	formaldehyde	≤.09%

· **Additional information:**

All concentrations are in percent by weight unless the ingredient is a gas. Gas concentrations are in percent by volume. Any pigments or fillers in this product which may be considered "Hazardous" are potentially hazardous only if inhaled as an airborne dust. Exposure by these ingredients as used in sealants, putties, bedding compounds and non-sprayable products is highly unlikely. For the wording of the listed risk phrases refer to section 15.

USA

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 2)

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:**
Wipe excess from skin.
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.
- **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.
- **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:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **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.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 3)

- **Information about storage in one common storage facility:** Keep away from open flames and high temperatures.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data.
- **Control parameters**

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

471-34-1 calcium carbonate

PEL Long-term value: 15* 5** mg/m³
*total dust **respirable fraction

REL Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV TLV withdrawn

13463-67-7 titanium dioxide

PEL Long-term value: 15* mg/m³
*total dust

REL See Pocket Guide App. A

TLV Long-term value: 10 mg/m³
withdrawn from NIC

141-78-6 ethyl acetate

PEL Long-term value: 1400 mg/m³, 400 ppm

REL Long-term value: 1400 mg/m³, 400 ppm

TLV Long-term value: 1440 mg/m³, 400 ppm

108-95-2 phenol

PEL Long-term value: 19 mg/m³, 5 ppm
Skin

REL Long-term value: 19 mg/m³, 5 ppm
Ceiling limit value: 60* mg/m³, 15.6* ppm
*15-min; Skin

TLV Long-term value: 19 mg/m³, 5 ppm
Skin; BEI

95-48-7 o-cresol

PEL Long-term value: 22 mg/m³, 5 ppm
Skin

REL Long-term value: 10 mg/m³, 2.3 ppm

TLV Long-term value: 20* mg/m³
Skin; *as inhalable fraction and vapor

(Contd. on page 5)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 4)

50-00-0 formaldehyde

PEL	Short-term value: 2 ppm Long-term value: 0.75 ppm see 29 CFR 1910.1048(c)
REL	Long-term value: 0.016 ppm Ceiling limit value: 0.1* ppm *15-min; See Pocket Guide App. A
TLV	Ceiling limit value: 0.37 mg/m ³ , 0.3 ppm (SEN) NIC-DSEN; RSEN

· Ingredients with biological limit values:

108-95-2 phenol

BEI	250 mg/g creatinine Medium: urine Time: end of shift Parameter: Phenol with hydrolysis (background, nonspecific)
-----	---

· Additional information:

Formaldehyde - Trace amounts of Formaldehyde are present in the mixture. However, it is unlikely that this chemical will be released as the curing process is at ambient temperature.
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:

Not necessary if room is well-ventilated.

In the absence of adequate ventilation, use NIOSH-certified respiratory protection when chemical exposure is excessive or above an established exposure limit. Comply with OSHA 29 CFR 1910.134.

· Protection of hands:



Protective gloves

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

· Material of gloves

Neoprene gloves
Nitrile rubber, NBR

· Eye protection:

Safety glasses with side shields.



Tightly sealed goggles

· Body protection:

Emergency showers and eye wash stations should be available.
Protective work clothing

USA

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 5)

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Paste
Color:	Off White
Odor:	Characteristic

- **Change in condition**

Melting point:	Undetermined.
-----------------------	---------------

- **Boiling point:**

Flash point:	36 °C (97 °F)
---------------------	---------------

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Specific gravity at 20 °C (68 °F):** 1.44 g/cm³ (12.017 lbs/gal)

- **Solubility in / Miscibility with**

Water:	Not miscible or difficult to mix.
---------------	-----------------------------------

- **Solvent content:**

Organic solvents:	2.8 %
VOC (Per EPA 24)	N/A GMS/L

Solids content:	97.2 %
------------------------	--------

- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity**

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Possibility of hazardous reactions** Strong oxidizing agents.

- **Conditions to avoid** No further relevant information available.

- **Incompatible materials:** No further relevant information available.

- **Hazardous decomposition products:**

Carbon Dioxide and Carbon Monoxide. Oxides of Sulphur. Trace amounts of Formaldehyde, Phenol, Hydrogen Sulphide.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **on the skin:** Skin irritant.

- **on the eye:**

May irritate the eye.

Vapors may be irritating to the eyes.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

Ingestion - May be harmful if ingested.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 6)

Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.

· **Carcinogenic categories**

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

13463-67-7	titanium dioxide	2B
108-95-2	phenol	3
50-00-0	formaldehyde	1

· **NTP (National Toxicology Program)**

50-00-0	formaldehyde	R
---------	--------------	---

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

50-00-0	formaldehyde	
---------	--------------	--

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.

· **Ecotoxicological effects:**

- **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Harmful to aquatic organisms

· **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:**

Disposal must be made according Federal, State and local regulations.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

· **UN-Number**

· **DOT** UN1133

· **ADR, IMDG, IATA** 1133

· **UN proper shipping name**

· **DOT, IMDG, IATA** ADHESIVES

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 7)

· **ADR** 1133 ADHESIVES· **Transport hazard class(es)**· **DOT**

· **Class** 3 Flammable liquids
 · **Label** 3

· **ADR, IMDG, IATA**

· **Class** 3 Flammable liquids
 · **Label** 3

· **Packing group**
 · **DOT, ADR, IMDG, IATA** III

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Flammable liquids
 · **Danger code (Kemler):** 30
 · **EMS Number:** F-E,S-D

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**
 · **Remarks:** Non regulated

· **UN "Model Regulation":** UN1133, ADHESIVES, 3, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
 · **Sara**

· **Section 355 (extremely hazardous substances):**

108-95-2 phenol

95-48-7 o-cresol

50-00-0 formaldehyde

· **Section 313 (Specific toxic chemical listings):**

108-95-2 phenol

95-48-7 o-cresol

50-00-0 formaldehyde

· **TSCA (Toxic Substances Control Act):**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

(Contd. on page 9)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 8)

· Proposition 65
· Chemicals known to cause cancer:

50-00-0 formaldehyde

· 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.

· Cancerogenity categories
· EPA (Environmental Protection Agency)

108-95-2	phenol	I
95-48-7	o-cresol	C
50-00-0	formaldehyde	B1

· TLV (Threshold Limit Value established by ACGIH)

13463-67-7	titanium dioxide	A4
108-95-2	phenol	A4
50-00-0	formaldehyde	A2

· MAK (German Maximum Workplace Concentration)

13463-67-7	titanium dioxide	3A
108-95-2	phenol	3B
95-48-7	o-cresol	3A
50-00-0	formaldehyde	4

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

13463-67-7	titanium dioxide	
50-00-0	formaldehyde	

· 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:** 09/30/2009

· **Date of preparation / last revision** 03/05/2015 / -

· 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)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing Date 03/05/2015

Revision Number 1

Revision Date 09/30/2009

Trade name: WS-8020 RC B-1/2CS Part B

(Contd. of page 9)

*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)**Flam. Liq. 3: Flammable liquids, Hazard Category 3**Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

USA