

Safety Data Sheet
acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

1 Identification

- **Product identifier**
- **Trade name:** *WS-8020 RC B-12 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**



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

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**



- **Signal word** *Warning*
- **Hazard statements**
*May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.*
- **Precautionary statements**
*Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves.
Avoid release to the environment.
Contaminated work clothing must not be allowed out of the workplace.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
IF ON SKIN: Wash with plenty of water.
Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 1)

- **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:**

68611-50-7	Polysulphide Polymer	50-100%
471-34-1	calcium carbonate	5-20%
	proprietary modified polysulphide polymer	2.5-10%
13463-67-7	titanium dioxide	2.5-10%
141-78-6	ethyl acetate	≤1.0%
108-95-2	phenol	≤0.5%
85-44-9	phthalic anhydride	≤0.5%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	≤0.5%
95-48-7	o-cresol	≤0.09%
50-00-0	formaldehyde	≤0.05%

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. If symptoms persist, 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.

USA

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 2)

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:**
- **Precautions for safe 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.
- **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:**
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.

(Contd. on page 4)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 3)

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

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 Short-term value: NIC-0.37 mg/m³, NIC-0.3 ppm
Long-term value: NIC-0.12 mg/m³, NIC-0.1 ppm
Ceiling limit value: (0.37) mg/m³, (0.3) ppm
NIC-A1; 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)

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 4)

- **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:** 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**
Neoprene 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.
- **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:	White
Odor:	Characteristic
Odor threshold:	Not determined.

· **pH-value:** Not determined.

· Change in condition

Melting point: Undetermined.

· **Boiling point:** >99 °C (>210 °F)

· **Flammability (solid, gaseous):** Not applicable.

· Ignition temperature:

Decomposition temperature: Not determined.

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

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapor pressure:** Not determined.

Specific gravity at 20 °C (68 °F):	1.45
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.

(Contd. on page 6)

USA

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 5)

- | | |
|---|---|
| · 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: | not determined |
| · Solids content: | not available |
| · Other information | 9.4 g/l VOC total
9.4 g/l VOC (less water, less exempt solvents] |

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** Avoid high temperatures. Avoid freezing.
- **Incompatible materials:** Reacts with strong oxidizing agents.
- **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:** 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
108-95-2	phenol	3
50-00-0	formaldehyde	1

· NTP (National Toxicology Program)

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

· OSHA-Ca (Occupational Safety & Health Administration)

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

USA

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 6)

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:** 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 | <i>not regulated</i> |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | <i>not regulated</i> |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | <i>not regulated</i> |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | <i>not regulated</i> |
| · Environmental hazards: | <i>Not applicable.</i> |
| · Special precautions for user | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>not regulated</i> |

USA

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 7)

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
85-44-9	phthalic anhydride
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.

· **Proposition 65**

· **Chemicals known to cause cancer:**

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

· **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:**

68611-50-7	Polysulphide Polymer
	proprietary modified polysulphide polymer
13463-67-7	titanium dioxide
141-78-6	ethyl acetate
7704-34-9	sulfur
108-95-2	phenol
85-44-9	phthalic anhydride
95-48-7	o-cresol
50-00-0	formaldehyde

· **New Jersey Special Hazardous Substance List:**

141-78-6	ethyl acetate	F3
108-95-2	phenol	MU, F2
85-44-9	phthalic anhydride	CO
95-48-7	o-cresol	CA, F2
50-00-0	formaldehyde	CA, CO, MU, F4

· **Pennsylvania Right-to-Know List:**

68611-50-7	Polysulphide Polymer
	proprietary modified polysulphide polymer

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 8)

13463-67-7	titanium dioxide	
141-78-6	ethyl acetate	
7704-34-9	sulfur	
108-95-2	phenol	
85-44-9	phthalic anhydride	
95-48-7	o-cresol	
50-00-0	formaldehyde	

· Pennsylvania Special Hazardous Substance List:

141-78-6	ethyl acetate	E
108-95-2	phenol	E
85-44-9	phthalic anhydride	E
95-48-7	o-cresol	E
50-00-0	formaldehyde	ES

· Cancerogenity categories
· EPA (Environmental Protection Agency)

108-95-2	phenol	D, 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
85-44-9	phthalic anhydride	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.

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing Date 07/27/2016

Revision Number 2

Revision Date 07/27/2016

Trade name: WS-8020 RC B-12 Part B

(Contd. of page 9)

· **Creation Date:** 07/27/2016· **Date of preparation / last revision** 07/27/2016 / 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

BEI: Biological Exposure Limit

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

USA