

SAFETY DATA SHEET

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Version: 5

Date of issue: 11 January, 2012

Revision Date: 20 September, 2019

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SECTION 1: IDENTIFICATION

1.1 GHS Product identifier

Product Name JSR RB820

1.2 Recommended use of the chemical and restrictions on use

Recommended use(s) Rubber material for industrial use.

Restrictions on use For industrial use only.

1.3 Supplier's details

Manufacturer

Telephone

Fax

Supplier

JSR Corporation
1-9-2, Higashi-Shinbashi, Minato-ku, Tokyo, 105-8640 Japan

Telephone

+81-3-6218-3643 (Available: Monday to Friday between
09:00 - 17:15 Japan Standard Time).

Email

Jsr_elastomer_sds@jsr.co.jp

1.4 Emergency telephone number

+1866 928 0789 (toll free); +1 215 207 0061 (geographic)
for NCEC Carechem24; English only, 24 h, every day, in
USA and Canada.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

According to OSHA 29 CFR 1910.1200 HCS (2012):

Explosives Classification not possible.

Combustible/flammable gas Classification not possible.

Combustible/flammable aerosol Classification not possible.

Combustion susceptible/oxidized gas Classification not possible.

High pressure gas Classification not possible.

Flammable liquid Classification not possible.

Flammable solid Classification not possible.

Self-reactive chemicals Classification not possible.

Pyrophoric liquid Classification not possible.

Pyrophoric solid Classification not possible.

Self-heating chemicals Classification not possible.

Water reactive flammable chemicals Classification not possible.

Oxidizing liquid Classification not possible.

Oxidizing solid Classification not possible.

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Organic peroxide	Classification not possible.
Metal corrosive substance	Classification not possible.
Acute toxicity	
Oral	Classification not possible.
Dermal	Classification not possible.
Inhalation (gas)	Classification not possible.
Inhalation (vapor)	Classification not possible.
Inhalation (dust and mist)	Classification not possible.
Skin corrosivity/irritation	Classification not possible.
Serious eye damage/irritation	Classification not possible.
Sensitization	
Respiratory	Classification not possible.
Skin	Classification not possible.
Germ cell mutagenicity	Classification not possible.
Carcinogenicity	Classification not possible.
Reproductive toxicity	Classification not possible.
Specific target organ toxicity (single exposure)	Classification not possible.
Specific target organ toxicity (repeated exposure)	Classification not possible.
Aspiration toxicity	Classification not possible.
Aquatic environment	
Acute toxicity	Classification not possible.
Chronic toxicity	Classification not possible.
Hazardous to the ozone layer	Classification not possible.

2.2 GHS label elements, including precautionary statements

Hazard pictogram(s)	None.
Signal word(s)	None.
Hazard statement(s)	None.
Precautionary statement(s)	
Prevention	None.
Response	None.
Storage	None.

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Disposal

None.

2.3 Other hazards which do not result in classification

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical name	% Weight	CAS No.
Polybutadiene	>98	Trade secret

3.2 Mixtures

Not applicable.

The specific chemical identity and/or exact percentage (concentration) of composition of the substance has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If exposed or concerned: Get medical advice/attention.

Skin Contact

IF ON SKIN (or hair): Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse with clean water for several minutes, occasionally parting eyelids. Remove contact lenses, if present and easy to do.
If eye irritation persists: Get medical attention/advice.

Ingestion

IF SWALLOWED: Rinse mouth.
If exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms/effects, acute and delayed

Not available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treatment should be based on the judgement of a medical professional in response to the symptoms of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Suitable Extinguishing Media

Water, foam, dry powder or carbon dioxide

Unsuitable Extinguishing Media

Not available.

5.2 Specific hazards arising from the chemical

Product undergoing thermal decomposition is likely to release irritating and toxic gases.

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5.3 Special protective actions for fire-fighters

Wear full fire-fighting turn-out gear (full bunker gear) and respiratory protection (self-contained breathing apparatus). Evacuate unauthorized personnel from the vicinity of the fire. Extinguish fire from the windward position.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective protection to avoid contact with skin and eyes.
Keep unauthorized personnel away area of leak/spill.
Ventilate area once clean-up/containment operations are complete.
Follow prescribed procedures for responding to large spills and reporting to authorities.

6.2 Environmental precautions

Prevent product from entering water courses or drainage system.

6.3 Methods and materials for containment and cleaning up

Stop leak/spill if safe to do so.
Avoid creating airborne dust.
Collect spillage and place into a suitable container for disposal.

6.4 Reference to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment and utilize appropriate engineering controls (as described in Section 8).
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands and face thoroughly after handling.
Avoid breathing dust.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Use only outdoors or in a well-ventilated area.
Take off contaminated clothing and wash before reuse.
Do not eat, drink or smoke whilst using this product.
Store in a well-ventilated place.
Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

OSHA PELs:

Particulates Not Otherwise Regulated (PNOR): 15 mg/m³ (total dust) TWA, 5 mg/m³ (respirable fraction).

ACGIH-TLV:

Not available.

NIOSH RELs:

Not available.

8.2 Exposure controls

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8.2.1 Appropriate engineering controls

Use adequate general ventilation or install local exhaust ventilation.
Install hand/eye wash facilities near work area.

8.2.2 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear protective glasses/goggles or face protector. , described by OSHA's eye and face protection regulations in 29 CFR 1910.133

Hand protection

Wear protective gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138.

Respiratory protection

Not normally required under ordinary conditions of use, however if exposure to vapors or mists is foreseen, follow the OSHA respirator regulations found in 29 CFR 1910.134. Use NIOSH/MHSA approved dust respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Skin and body protection

Protective work clothing.

Hygiene measures

Wash hands and face thoroughly after handling.
Contact PPE manufacturer regarding breakthrough times.
Do not eat drink or smoke whilst handling this product.
Take off contaminated clothing and wash before reuse.

8.2.3 Environmental Exposure Controls

Follow best practice for site management and disposal of waste.
Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Solid (pellets)

Color

Colorless, transparent to translucent

Odor

Faint

Odor threshold (ppm)

No information available

pH (Value)

No information available

Melting point / freezing point

No information available

Initial boiling point and boiling range

No information available

Flash point (°C)

No information available

Evaporation rate

No information available

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Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapour pressure	No information available
Vapour density (Air=1)	No information available
Relative Density	0.91
Solubility(ies)	Insoluble in water
Partition coefficient (n-Octanol/water)	No information available
Auto ignition temperature	No information available
Decomposition temperature (°C)	No information available
Viscosity (mPa. s)	No information available
Explosive properties	No information available
Oxidising properties	No information available
9.2 Other information	None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Not available.
10.2 Chemical stability	The product is normally stable in normal use conditions.
10.3 Possibility of hazardous reactions	Not available.
10.4 Conditions to avoid	Not available.
10.5 Incompatible materials	Not available.
10.6 Hazardous decomposition products	No specific hazards are known. Product undergoing thermal decomposition is likely to release irritating and toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No data are available for the product therefore available data for the main components of the product (where available) are provided below.

Acute toxicity	Classification not possible
Skin corrosion/irritation	Classification not possible
Serious eye damage/irritation	Classification not possible
Respiratory or skin sensitization	
Respiratory:	Classification not possible. No data available.
Skin:	Classification not possible

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Germ cell mutagenicity	Classification not possible.
Carcinogenicity	Classification not possible.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	Classification not possible.
STOT - single exposure	Classification not possible.
STOT - repeated exposure	Classification not possible.
Aspiration hazard	Classification not possible. Not applicable: Solid product.
Target Organs:	None.
Information on the likely routes of exposure:	Inhalation, Skin, Eye, Ingestion
Potential Health Effects	
Inhalation	
Acute (Immediate):	No data available.
Chronic (Delayed):	No data available.
Skin	
Acute (Immediate):	No data available.
Chronic (Delayed):	No data available.
Eye	
Acute (Immediate):	No data available.
Chronic (Delayed):	No data available.
Ingestion	
Acute (Immediate):	No data available.
Chronic (Delayed):	No data available.
Symptoms related to the physical, chemical and toxicological characteristics:	No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	The product is not classified as hazardous to aquatic organisms according to a test result of a similar product.
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No data available.
12.4	Mobility in soil	No data available.

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12.5 Other adverse effects No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

13.1.1 Residual wastes Dispose of in accordance with national and local regulations.

13.1.2 Contaminated containers and packaging Dispose of in accordance with national and local regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number Not applicable – not regulated as dangerous goods.

14.2 UN Proper Shipping Name Not available.

14.3 Transport hazard class(es) Not available.

14.4 Packing Group Not available.

14.5 Environmental hazards Not available.

14.6 Special precautions for user Not available.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not available.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA list : All components of this product are listed on the TSCA Inventory

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311 / 312 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312.

SARA 313 : No chemical in this material are subject to the reporting requirements of Section 313 of SARA Title III.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product contains acetone which is listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

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This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

This product does not contain any substances which are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

This product does not contain any substances which are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know

This product does not contain any substances which are subject to the New Jersey Right To Know Act.

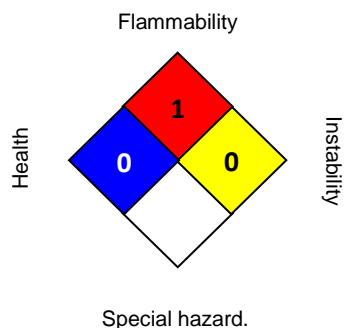
California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Version Number: 5

Date of preparation of SDS: 11 January, 2012

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REFERENCES

According to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)).

Supplier information

OSHA Annotated Table Z-1 <https://www.osha.gov/dsg/annotated-pels/tablez-1.html>

ABBREVIATIONS

BCF: Bioconcentration factor

CNS: Central nervous system

EC50: half maximal effective concentration

LD50: lethal dose, 50%

LC50: lethal concentration, 50%

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NOAEL: no-observed-adverse-effect-level
NOAEC: no-observed-adverse-concentration-level
NOEC: No observed effect concentration
NTP: National Toxicology program
PEL: Permissible exposure limit
QSAR: Quantitative structure–activity relationship
REL: Recommended exposure limit
TLV: Threshold limit value

Disclaimer

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- (2) The precautionary measures in handling the material which is the subject of this data sheet ("Material") as mentioned herein are based upon an assumption that the Material is handled in an ordinary way. In case of special handling, extra or different safety measures suitable thereof need to be taken.
- (3) It is your own responsibility to examine and confirm if the Material meets or suits any regulation or restriction in your country or of your local authority.
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