

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Butyl Rubber Cenway BIIR

Version 1.0

Issue date: 02-11-2022

Revision date: 02-11-2022

SDS Record Number: CSSS-TCO-010-153102

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

1.1 Product identifier:

Identification on the label/Trade name: Butyl Rubber Cenway BIIR

Additional identification: 1,3-Butadiene,2-methyl-,polymerwith2-methyl-1-propene,brominated;
Poly(isobutylene-co-isoprene), brominated

UFI: N/A

Identification of the product: See section 3

Index Number: See section 3

REACH registration No.: See section 3

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

Raw materials for the production of butyl rubber articles.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -

Supplier(Manufacturer): Zhejiang Cenway Materials Co., Ltd.

Address: Cofferdam Interior, Phase Three, Zhapu Economic Development Zone,
Jiaxing Port Area, Jiaxing City, 314201, Zhejiang Province, P. R. China

Contact person(E-mail): YW@cenwaymaterials.com

Telephone: 0573-85568666-1009

Fax: 0573-85568666-1009

1.4 Emergency telephone Number:

0573-85568666-1009 Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the mixture:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
N/A	N/A

2.2 Label elements:

Hazard pictogram(s): No hazard pictogram is used.

Signal word: No signal word is used.

Product name: Butyl Rubber Cenway BIIR
Version #: 1.0 Issue date: 02-11-2022.

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Hazard statement(s): Not applicable.

Precautionary statement(s): Not applicable.

Supplemental Hazard information (EU) Not applicable.

2.3 Other hazards:

The mixture does not contain PBT/vPvB substance.

The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
1,3-Butadiene,2-methyl-,polymerwith 2-methyl-1-propene,brominated	N/A	68441-14-5	N/A	≥96.1%	Not Classified	N/A
Dispersant (Calcium stearate)	N/A	1592-23-0	216-472-8	2.0%	Not Classified	N/A
Stabilizer (epoxy soybean oil)	N/A	8013-07-8	N/A	1.3%	Not Classified	N/A
Water	N/A	7732-18-5	231-791-2	≤0.5%	Not Classified	N/A
Antioxidant (Non-staining)	N/A	6683-19-8	229-722-6	<0.1%	Not Classified	N/A

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If exposed to fumes from overheating, move person into fresh air.

4.1.2 In case of skin contact:

As good industrial hygiene practice, at the end of each work shift, wash skin with plenty of soap and water.

4.1.3 In case of eyes contact:

Do not rub eyes, which may cause particles to scratch the eye. If dust/fumes get in eyes, Wash out with plenty of water.

Consult a doctor if necessary.

4.1.4 In case of ingestion:

Not a likely route of exposure. None necessary for small quantities.

4.2 Most important symptoms and effects, both acute and delayed:

The product is not classified as harmful to human health effect.

4.3 Indication of any immediate medical attention and special treatment needed:

Symptomatic treatment.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

This product is combustible. Use extinguishing agents appropriate for surrounding fire. Carbon dioxide, water, foam, dry chemical.

Unsuitable extinguishing media:

Not available.

5.2 Special hazards arising from the substance or mixture

No specific fire or explosion hazard. Will burn when exposed to excessive heat or flame. In case of fire, the following can be released: carbon monoxide, carbon dioxide.

5.3 Advice for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions:

Do not allow material to be released to the environment without proper governmental permits.

6.3 Methods and material for Containment and Cleaning up:

Take up mechanically.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid breathing dust. If exposed to high dust concentration, leave area immediately. Work clothes should be washed separately at the end of each work day. Keep away from sources of ignition. Ensure good ventilation/exhaustion at the workplace.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Material should be stored in a clean, dry environment in original packaging and not exposed to ignition sources. Keep away from strong oxidizers. The maximum number of boxes you can stack is four. It is recommended that storage temperature $\leq 35^{\circ}\text{C}$ and humidity $\leq 80\%$.

7.3 Specific end use(s):

Not available.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Not available.

8.1.2 Additional exposure limits under the conditions of use:

Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection:	Safety glasses when eye contact is possible.
Skin protection	
Hand protection:	Protective gloves of leather, contaminated or damaged gloves should be replaced.
Body protection:	Skin covering working clothes; wear dust-proof overalls if large quantities of dust are generated.
Respiratory protection:	None required under normal conditions of use.
Thermal hazards:	Wear suitable protective clothing to prevent heat.
8.2.3 Environmental exposure controls:	Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Solid
Colour:	Brown or pale yellow
Odour:	Odorless
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	>300°C
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Non-flammable
Ignition temperature (°C):	>300°C
Upper/lower explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Density:	0.92 g/cm ³ (20°C)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Insoluble in the cold water
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	>200°C
Viscosity, dynamic (mPa.s):	Not relevant, this product is solid
Explosive properties:	Non explosive
Oxidising properties:	Not oxidizing

9.2. Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Avoid extreme heat. Avoid direct sunlight. Decomposition temperature >200°C.
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	Caused by incomplete combustion toxic fumes mainly consisting of CO and CO ₂ may be developed.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

Dispersant (Calcium stearate)(CAS#1592-23-0)

LD50(Oral, Rat): > 2000 mg/kg bw female

LD50(Dermal, Rat): > 2000 mg/kg bw

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

11.2 Information on other hazards

Endocrine disrupting properties The mixture does not contain endocrine disruptor.

Other information Not applicable

Section 12 Ecological information

12.1 Toxicity:

Acute (short-term) toxicity:

Dispersant (Calcium stearate)(CAS#1592-23-0)

LC50(96h, Fish): > 15 mg/L

EC50(48h, Crustacea): > 2.4 mg/L

EC50(72h, Algae/aquatic plants): 150 mg/L

Chronic (long-term) toxicity:

NOEC(Fish): > 0.5 mg/L

EC50(21d, Crustacea): > 0.55 - < 2.1 mg/L

NOEC(Algae/aquatic plants): 31 mg/L

12.2 Persistence and degradability: This product is not readily biodegradable.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: The product is practically insoluble in water.

12.5 Results of PBT and vPvB The mixture does not contain PBT / vPvB substance.

assessment:

12.6 Endocrine disrupting properties: The mixture does not contain endocrine disruptor.
12.7 Other adverse effects: Not available.
12.8 Additional information Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

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

Relevant information regarding authorization: Not applicable.
Relevant information regarding restriction: Not applicable.
Other EU regulations: Employment restrictions concerning young person must be observed.
 For use only by technically qualified individuals.
Other National regulations: Not applicable

15.2 Chemical safety assessment YES NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 RID: Regulation for rail International transportation of Dangerous goods
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: Code international maritime dangerous goods code
 ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

UFI: Unique Formula Identifier

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Author: Hangzhou REACH Technology Group Co., Ltd. Website: www.cirs-group.com Tel: 0571-87206555 Email: info@cirs-group.com