

Safety Data Sheet

According to Regulation (EC) No 1907/2006

Butyl Rubber Cenway BIIR

Version 1.0

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SDS Record Number: CSSS-TCO-010-113008

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

Identification of the product: CAS# 68441-14-5; EC# -

Index Number: Not available

REACH registration No.: Not available

1.2 Relevant identified uses of the substance 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, Zhapu Development Zone Phase Three, Jiaying Port Area

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

Telephone: +86-573-85520670 or +86-10-51779096

Fax: +86-573-85521212 or +86-10-51779622

1.4 Emergency telephone Number:

+86-573-85520670 or +86-10-51779096 Only available during office hours (8:30a.m.-17:30p.m. Beijing Time Zone)

Available outside office hours? YES ☐ NO ☒

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

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

For full text of H- phrases: see section 2.2.

2.2 label elements:

Hazard Pictograms: No hazard pictogram is used.

Signal Word(S): No signal word is used.

Hazard Statement: Not applicable.

Precautionary statement: Not applicable.

2.3 Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
1,3-Butadiene,2-methyl-,polymerwith 2-methyl-1-propene,brominated	N/A	68441-14-5	N/A	≥96.1%
Water	N/A	7732-18-5	231-791-2	≤0.5%
Antioxidant (Non-staining)	N/A	6683-19-8	229-722-6	0.1%
Stabilizer (epoxy soybean oil)	N/A	8013-07-8	N/A	1.3%
Calcium stearate	N/A	1592-23-0	216-472-8	2.0%

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:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting 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 Special fire fighting methods and

Fire-fighters should wear appropriate protective equipment and self-contained

special protective actions for fire-fighters:

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 for Containment and Cleaning up: Take up mechanically.

6.4 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 information on disposal.

6.5 Additional information: Not applicable.

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.

7.3 Specific end use(s): Not applicable.

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.

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.

According to local regulations, Federal and official 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 flammability/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
Molecular Formula:	Not available
Molecular Weight:	Not available

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
Specific gravity:	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 Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

11.2 Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): Not available

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

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: This product is not readily biodegradable.

Bioaccumulative potential: Not available.

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

Results of PBT&vPvB assessment: Not available.

Other adverse effects: 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.

13.2 Product / Packaging disposal: If empty container retains product residues, all label precautions must be observed.

Section 14 Transport information			
	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation 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
Chemical Safety Assessment has been carried out?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

Section 16 Other information	
16.1 Indication of changes:	
Version 1.1 Amended by EU No 2015/830	
16.2 Training instructions:	
Not applicable.	
16.3 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.	
16.4 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.	
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