

# Safety Data Sheet

## According to Regulation (EC) No 1907/2006

Butyl Rubber Cenway CIIR

Version 1.0

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SDS Record Number: CSSS-TCO-010-113010

### 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 CIIR

Additional identification: 1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene, chlorinate;  
Copolymer consisting of i-butene and isoprene, chlorinated

Identification of the product: CAS# 68081-82-3; 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:** Mixture

**Ingredient(s):**

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene, chlorinate	N/A	68081-82-3	N/A	≥97.9%
Water	N/A	7732-18-5	215-185-5	≤0.5%
Antioxidant (Non-staining)	N/A	6683-19-8	229-722-6	0.1%
Calcium stearate	N/A	1592-23-0	216-472-8	1.5%

## 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:

Under normal circumstances, solid rubber pellets will not be inhaled. However, when inhaling excessive gas generated during processing and processing, the victim is immediately isolated from the fresh air that is exposed to the breath, artificial respiration is performed if necessary, appropriate measures are taken in time, and treated by a doctor.

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 special protective actions for fire-fighters:**

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 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, It is recommended that storage temperature  $\leq 35^{\circ}\text{C}$  and humidity  $\leq 80\%$ .

**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

**Respiratory protection:**

are generated.

**Thermal hazards:**

None required under normal conditions of use.

**8.2.3 Environmental exposure controls:**

Wear suitable protective clothing to prevent heat.

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:

<b>Appearance:</b>	Solid
<b>Colour:</b>	White to light amber
<b>Odour:</b>	Odorless
<b>Odour threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/range (°C):</b>	Not available
<b>Boiling point/range (°C):</b>	Not available
<b>Flash point (°C):</b>	>300°C
<b>Evaporation rate:</b>	Not available
<b>Flammability limit - lower (%):</b>	Not available
<b>Flammability (solid, gas):</b>	Non-flammable
<b>Ignition temperature (°C):</b>	>300°C
<b>Upper/lower flammability/explosive limits:</b>	Not available
<b>Vapour pressure (20°C):</b>	Not available
<b>Vapour density:</b>	Not available
<b>Density:</b>	0.92 g/cm <sup>3</sup> (20°C)
<b>Bulk density (kg/m<sup>3</sup>):</b>	Not available
<b>Water solubility (g/l):</b>	Insoluble in the cold water
<b>n-Octanol/Water (log Po/w):</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	>200°C
<b>Viscosity, dynamic (mPa.s):</b>	Not relevant, substance is solid
<b>Explosive properties:</b>	Non explosive
<b>Oxidising properties:</b>	Not oxidizing
<b>Molecular Formula:</b>	Not available
<b>Molecular Weight:</b>	Not available

### 9.2. Other information:

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

## Section 10 Stability and reactivity

<b>10.1 Reactivity:</b>	The substance is stable under normal storage and handling conditions.
<b>10.2 Chemical stability:</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>10.3 Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid:</b>	Incompatible materials. Avoid extreme heat. Avoid direct sunlight. Decomposition temperature >200°C.
<b>10.5 Incompatible materials:</b>	Strong oxidizing agents.
<b>10.6 Hazardous decomposition products:</b>	Caused by incomplete combustion toxic fumes mainly consisting of CO and CO <sub>2</sub> 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): >5000 mg/kg

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.  
Return for reuse or dispose according to national or local regulations.

**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

☐

NO

☒**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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