

SAFETY DATA SHEET

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

- 1.1 Product identifier** PRODUCT NAME: UBEPOL VCR Series
UBEPOL VCR412, VCR450, VCR617, VCR800
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Relevant identified uses: Tire, Shoe sole, etc.
- 1.3 Details of the supplier of the safety data sheet** UBE Elastomer Co. Ltd.
Seavans North Bldg., 1-2-1 Shibaura Minato-Ku, Tokyo 105-6791, Japan
Telephone: +81-3-5419-6167
E-mail: ube-br@ube-ind.co.jp
- 1.4 Emergency telephone number** UBE Elastomer Co. Ltd.
Seavans North Bldg., 1-2-1 Shibaura Minato-Ku, Tokyo 105-6791, Japan
Telephone: +81-3-5419-6167; (within business hours)

Section 2: Hazards identification

2.1 Classification of the substance or mixture

GHS classification of the substance/mixture This product is not classified as hazardous under GHS

2.2 Label elements

Hazard pictograms No pictogram

Signal word No signal word.

Hazard statements None.

Precautionary statements

prevention None

response None

storage None

disposal None

Supplemental Hazard information (EU) Not applicable

2.3 Other hazards None known.

Section 3: Composition/information on ingredients

Mixture

Identification name	Concentration (%)	EC No.	CAS No.
Polybutadiene	83-97	618-356-6	9003-17-2



1,3-Butadiene, homopolymer, syndiotactic	3-17	-	31567-90-5
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Section 4: First aid measures

4.1 Description of first aid measures

General advice	Remove contaminated clothing.
Inhalation	Remove victim to fresh air. Get medical attention.
Skin contact	Wash skin with plenty of water as necessary. Seek first aid or medical attention as needed.
Eye contact	Immediately flush with copious amount of water for at least 15 minutes and get medical attention.
Ingestion	If swallowed, wash out mouth thoroughly and give water to drink. Get medical attention. Do not induce vomiting, unless instructed by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed Not available

4.3 Indication of any immediate medical attention and special treatment needed Not available

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray, carbon dioxide, powder and foam are recommended.
Unsuitable extinguishing media	None

5.2 Special hazards arising from the substance or mixture The product is not classified as flammable, but will burn if involved in a fire, producing smoke, and toxic fumes, gases and vapours.

5.3 Advice for firefighters Remove containers from fire and cool them with water spray. Firefighters should wear an approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** Remove ignition sources and ventilate the area. Avoid sparks. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.
- 6.2 Environmental precautions** Prevent it from entering water courses or drainage system.
- 6.3 Methods and material** Collect spill and place in suitable container for disposal. Wash



for containment and cleaning up	and	contaminated surfaces with water and detergent, and collect washings for safe disposal.
6.4 Reference to sections	to other	For recommended personal protective equipment, see Section 8. For disposal considerations, see Section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling	Avoid skin and eye contact with the product, and inhalation of dust, using measures as described in Section 8. Use only in a well ventilated area. Wash hands after use.
7.2 Conditions for safe storage, including any incompatibilities	Keep containers closed when not in use. Keep containers in a cool, dry place away from direct sunlight. Combustible materials should be stored away from heat and away from oxidizing agents.
7.3 Specific end use(s)	Not available

Section 8: Exposure controls/personal protection

8.1 Control parameters

JP limit values	Not available
US limit values (ACGIH)	Not available
Other: human health (DNELs)	Not available
Other: environmental (PNEC)	Not available

8.2 Exposure controls

Appropriate engineering controls	Local exhaust ventilation or use in a closed system is recommended.
Personal protection equipment	<u>Eye/face protection:</u> Protection glasses <u>Skin protection:</u> <u>Hand protection:</u> Chemical resistant gloves. For heated products, use thermal heat-resistant gloves. <u>Other:</u> Safety shoes or boots <u>Respiratory protection:</u> Not necessary <u>Thermal hazards:</u> Not available
Environmental exposure controls	Refer to Section 6.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Light gray solid.
Odour	Faint odour.
Odour threshold	No information available
pH	No information available



Melting point / freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability. or explosive limits	No information available
Vapour pressure	No information available
Vapour density	No information available
Relative density	0.91
Solubility(ies)	Water solubility: Insoluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	Approx, 400 °C
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	Non-explosive
Oxidising properties	Non-oxidising
9.2 Other information	No information available

Section 10: Stability and reactivity

10.1 Reactivity	Dangerous reactions are not expected handling the product according to its intended use.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	Avoid heat, flames, sparks and other sources of ignition.
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	Generation of CO, CO ₂ by thermal decomposition. Generation of CO, CO ₂ and soot by flaming.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No information available
Skin corrosion/irritation	No information available
Serious eye damage/irritation	No information available
Respiratory or skin sensitisation	No information available



Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Aspiration hazard	No information available

Section 12: Ecological information

12.1 Toxicity	No information available.
12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	No information available
12.5 Other adverse effects	No information available

Section 13: Disposal considerations

13.1 Waste treatment methods	Disposal must be in accordance with current national and local regulations, which may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Chemical residues generally count as special waste. Packaging may contain residues of the product and should be treated accordingly. Do not dump this material into sewers, on the ground, or into any body of water.
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Section 14: Transport information

14.1 UN Number	No classification assigned
14.2 UN proper shipping name	None
14.3 Transport hazard class(es)	None
14.4 Packing group	None
14.5 Environmental hazards	Not classified as environmentally hazardous
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 applicable



Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Please refer to any other regulations of each country.

Section 16: Other information

Indication of changes	First issue: 01.Oct.2021 Revisions: --,---,---- :
Abbreviations and acronyms	ACGIH: American Conference of Governmental Industrial Hygienists DNEL: Derived No Effect Level PNEC: Predicted No Effect Concentration STOT: Specific Target Organ Toxicity
Training advice	Read this Safety Data Sheet before handling the substance.

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