SAFETY DATA SHEET

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

1.1 Product identifier — PRODUCT NAME: UBEPOL BR133P

1.2 Relevant identified uses of the substance or mixture and uses advised against — Tire , 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	71	618-356-6	9003-17-2

Petroleum hydrocarbons	29	265-157-1	64742-54-7

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 for containment and Collect spill and place in suitable container for disposal. Wash contaminated surfaces with water and detergent, and collect

	cleaning up	washings for safe disposal.
6.4	**Reference to other sections**	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	As Petroleum hydrocarbons: TWA 3mg/m^3 (Mineral oil mist)
US limit values （ACGIH）	As Petroleum hydrocarbons: TWA 5mg/m^3 (Mineral oil)
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	Eye/face protection: Protection glasses Skin protection: Hand protection: Chemical resistant gloves. For heated products, use thermal heat-resistant gloves. Other: Safety shoes or boots Respiratory protection: Not necessary Thermal hazards: 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 yellow 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	0.90
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 at mixture. As Petroleum hydrocarbons: LD50 oral-rat : >5,000 mg/kg LD50 dermal-rabbit : > 5,000 mg/kg LC50 inhalation(mist)-rat : > 5.53 mg/L/4h
Skin corrosion/irritation	No information available at mixture.

	As Petroleum hydrocarbons: Rabbit: mild irritation
Serious eye damage/irritation	No information available at mixture. As Petroleum hydrocarbons: Rabbit: no irritation
Respiratory or skin sensitisation	No information available at mixture. As Petroleum hydrocarbons: Guinea pig: no skin sensitisation
Germ cell mutagenicity	No information available at mixture. As Petroleum hydrocarbons: in vivo chromosomal aberration test, mouse: negative Ames test: negative
Carcinogenicity	No information available at mixture. As Petroleum hydrocarbons: Carcinogenicity was not observed in mouse test (IP346: <3%) IARC 3 (not classifiable as to its carcinogenicity to humans)
Reproductive toxicity	No information available at mixture. As Petroleum hydrocarbons: Rat(parent, pup) NOAEL >1,000mg/kg/day
STOT-single exposure	No information available.
STOT-repeated exposure	No information available at mixture. As Petroleum hydrocarbons: Rat (dermal 90 days) NOAEL >2,000mg/kg/day
Aspiration hazard	No information available at mixture. As Petroleum hydrocarbons: Kinematic viscosity = 25.2 to 35.2mm^2/s (40℃)

Section 12: Ecological information

12.1 Toxicity	No information available at mixture. As Petroleum hydrocarbons: Fish(Pimephales promelas) 96h-LL50 >100mg/L Invertebrate (Daphnia magna) 48h-EL50 >10,000mg/L Algae (Pseudokirchnerella subcapitata) 72h-NOEL >100mg/L
12.2 Persistence and degradability	No information available.
12.3 Bioaccumulative potential	No information available at mixture. As Petroleum hydrocarbons The hydrocarbon might have the potential of bioaccumulation from the octanol/water partition coefficient. logKow=3.9 to 6
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.

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
LD50: 50% Lethal Dose
LC50: 50% Lethal Concentration

NOEL: No Observed Effect Level
EC50: 50% Effect Concentration
ErC50: Effect Concentration 50 in terms of Reduction of Growth Rate

Training advice	Read this Safety Data Sheet before handling the substance.

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