SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : TAIPOL® BR-0150,0150L,015H

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Used in tire, shoes material, water pipes, golf, rubber clothing and various industrial systems with rubber products. Do not use in food.
Uses advised against : No information available

1.4. Supplier's details

Company name: TSRC Corporation
Address: No.2, Singgong Rd., Dashe Dist., Kaohsiung City 815, Taiwan R.O.C.
Postal code:815
Tel: +886 73513811
Fax: +886 73520622
Email: srd.msds@tsrc-global.com

1.5. Emergency phone number

Emergency number : +886 73513811

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified
Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) : None
Signal word (GHS UN) : None
Hazard statements (GHS UN) : Not applicable
Precautionary statements (GHS UN) : Not applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
1,3-Butadiene, homopolymer	CAS-No.: 9003-17-2	> 99.3	Not classified

Name	Product identifier	%	Classification according to the United Nations GHS
Antioxidants	Proprietary	< 0.7	Not classified

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Remove contaminated clothing and shoes. If symptoms persist call a doctor.
First-aid measures after inhalation : Not an expected route of exposure.
First-aid measures after skin contact : Wash skin with soap and water.
First-aid measures after eye contact : Not an expected route of exposure. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects : No information available.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.
Unsuitable extinguishing media : No information available.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Protection during firefighting : Evacuate personnel to a safe area. Move containers from fire area if it can be done without personal risk. Use water stream to cool containers. Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment. Stay upwind. Complete protective clothing. Ensure adequate ventilation, especially in confined areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate personnel to a safe area. Remove all sources of ignition. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation, especially in confined areas.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter sewers, surface or groundwater.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wash thoroughly after handling. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Stored in a place that is cool, dry, ventilated, and where sunlight cannot be directly exposed, away from heat sources, sources of ignition, and incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Materials for protective clothing : Wear personal protective equipment

Hand protection : Protective gloves

Eye protection : No special technical protective measures required

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Light yellow solid
Colour	:	Light yellow.
Odour	:	Odourless.
Odour threshold	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flammability	:	Not flammable
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	No data available
pH solution	:	No data available
Viscosity, kinematic (calculated value) (40 °C)	:	No data available

Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Vapour pressure	:	No data available
Vapour pressure at 50 °C	:	No data available
Density	:	No data available
Relative density	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density of saturated gas/air mixture	:	No data available
Relative gas density	:	No data available
Solubility	:	No data available.
Viscosity, dynamic	:	No data available
Particle size	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Critical temperature	:	No data available
Critical pressure	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	Not classified pH: No data available
Serious eye damage/irritation	:	Not classified pH: No data available
Respiratory or skin sensitisation	:	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

TAIPOL® BR-0150,0150L,015H	
Viscosity, kinematic	No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short—term (acute) : Not classified
Hazardous to the aquatic environment, long—term (chronic) : Not classified

12.2. Persistence and degradability

TAIPOL® BR-0150,0150L,015H	
Persistence and degradability	No information available.

12.3. Bioaccumulative potential

TAIPOL® BR-0150,0150L,015H	
Partition coefficient n-octanol/water (Log Pow)	No data available
Partition coefficient n-octanol/water (Log Kow)	No data available
Bioaccumulative potential	No information available.

12.4. Mobility in soil

TAIPOL® BR-0150,0150L,015H	
Mobility in soil	No additional information available
Ecology - soil	No information available.

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Contaminated packaging : Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		

UN RTDG	IMDG	IATA
14.2. UN Proper Shipping Name		
Not applicable.	Not applicable.	Not applicable.
14.3. Transport hazard class(es)		
Not applicable.	Not applicable.	Not applicable.
Not applicable.	Not applicable.	Not applicable.
14.4. Packing group		
Not applicable.	Not applicable.	Not applicable.
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

UN RTDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

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Safety Data Sheet (SDS), UN

Limited warranty

There are no warranties which extend beyond the product description herein, and seller makes no warranty, express or implied, of fitness for particular use, merchantability or otherwise with respect to product, whether used singly or in combination with other substances or in any process, except that product sold hereunder shall conform to seller's standard sales specifications as of the date of the shipment. Without limiting the foregoing, seller does not recommend or endorse the use of product(s) in any medical application and specifically disclaims any representation or warranty, express or implied, of suitability or fitness for use or otherwise, with respect to product(s)' use in any medical application. Buyer represents and warrants that no product(s) purchased hereunder will be used in or resold into any commercial or developmental manner in connection with medical applications without seller's prior express written acknowledgement, further, buyer agrees that it will make no representations, express or implied, to any person to the effect that seller recommends or endorses the use of product(s) purchased hereunder in any medical application. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.