

# Safety Data Sheet

Ribtight B

according to JIS Z 7253:2019  
Issue date: 2024/06/04

## 1. Chemical product and company identification

Substance name : Ribtight B

### Recommended use of the chemical and restrictions on use

Recommended use : Industrial use

Restrictions on use : Not to be used for any purpose other than the one the product was designed for

### Company information

Sekisui Chemical Co., Ltd.

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## 2. Hazards identification

### GHS classification

Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Skin sensitization	Category 1
	Reproductive toxicity	Category 1B
	Specific target organ toxicity (single exposure)	Category 2 (central nervous system, kidneys, blood system, respiratory system, liver)
	Specific target organ toxicity (repeated exposure)	Category 2 (central nervous system, blood system)
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)	Category 3
	Hazardous to the aquatic environment, long-term (chronic)	Category 3

### Label elements

Hazard pictograms (GHS JP)



Signal word (GHS JP)

: Danger

Hazard statements (GHS JP)

: Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

May damage fertility or the unborn child.

May cause damage to organs (central nervous system, kidneys, blood system, respiratory system, liver).

May cause damage to organs (central nervous system, blood system) through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

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Precautionary statements (GHS JP)	
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	: IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a POISON CENTER or doctor. IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER or doctor. Get medical advice/attention if you feel unwell. Specific treatment (see supplemental first aid instruction on this label). If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	: Store locked up.
Disposal	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use. None under normal conditions.

### 3. Composition/information on ingredients

Distinction of substance or mixture : Mixture

Component name	Conc. (%)	CAS-No.
Polythiol	Non-disclosure	Non-disclosure
Polyamidoamine	Non-disclosure	Non-disclosure
Benzyl alcohol	1 – 10	100-51-6
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	1 – 10	90-72-2
Tetraethylenepentamine (Impurity)	1 – 10	112-57-2
2-Butoxyethanol	1 – 10	111-76-2
Hexanoic acid, 2-ethyl-	1 – 10	149-57-5
Triethylenetetramine (Impurity)	< 1	112-24-3

Note: The figures shown above are not the specifications of the product.

Impurities and/or Stabilizing Additives which Contribute to the Classification : Impurity: Tetraethylenepentamine; Triethylenetetramine

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### 4. First aid measures

#### First aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.  
Take off contaminated clothing.  
If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### Most Important Symptoms/Effects

- Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.  
None under normal conditions.
- Symptoms/effects after skin contact : Irritation.  
May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Symptoms/effects after ingestion : None under normal conditions.

#### Notes to physician

- Other medical advice or treatment : Treat symptomatically.

### 5. Fire fighting measures

- Suitable extinguishing media : Dry powder, Foam
- Unsuitable extinguishing media : Do not use a heavy water stream
- Fire hazard : Fire and explosion hazards.
- Explosion hazard : May form flammable and explosive vapour-air mixture.
- Hazardous decomposition products in case of fire : Toxic fumes may be released
- Firefighting instructions : Fight fire from safe distance and protected location.  
Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment.  
Self-contained breathing apparatus.  
Complete protective clothing.

### 6. Accidental release measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

- General measures : Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

#### For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.  
Do not breathe dust/fume/gas/mist/vapours/spray.

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### 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".
- Emergency procedures : Evacuate unnecessary personnel.

### Environmental precautions

- Environmental precautions : Avoid release to the environment.  
Notify authorities if product enters sewers or public waters.

### Methods and Equipment for Containment and Cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Mechanically recover the product.  
Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

## 7. Handling and storage

### Handling

- Technical measures : No data available
- Precautions for safe handling : Ensure good ventilation of the work station.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear personal protective equipment.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Avoid contact with skin and eyes.
- Prevents handling of incompatible substances or mixtures : Acids.  
Bases.  
Oxidisable materials.  
reducing substance.
- Hygiene measures : Separate working clothes from town clothes. Launder separately.  
Wash contaminated clothing before reuse.  
Contaminated work clothing should not be allowed out of the workplace.  
Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product.
- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.  
None under normal conditions.

### Storage

- Storage conditions : Store locked up.
- Material used in packaging/containers : No data available
- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Packaging materials : Store always product in container of same material as original container.

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### 8. Exposure controls / Personal protection equipment

Appropriate engineering controls	: Ensure good ventilation of the work station
<b>Protective equipment</b>	
Personal protective equipment	: Wear recommended personal protective equipment
Respiratory protection	: [In case of inadequate ventilation] wear respiratory protection.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Environmental exposure controls	: Avoid release to the environment.

### 9. Physical and chemical properties

Physical state	: Solid
Colour	: Black
Odour	: specific odour
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: 1.7 g/cm <sup>3</sup>
Relative gas density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive limits (vol %)	: No data available
Viscosity, kinematic	: No data available
Particle characteristics	: No data available

### 10. Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: Acids. Bases. Oxidisable materials. reducing substance.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### 11. Toxicological information

Acute toxicity (oral)	: classification not possible
Acute toxicity (dermal)	: classification not possible
Acute toxicity (inhalation)	: Not applicable (gas) Not applicable (Vapour) classification not possible (dust, mist)

<b>Benzyl alcohol</b>	
LD50 oral	1200 mg/kg
LD50 dermal	2000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	4.178 mg/l/4h
<b>Phenol, 2,4,6-tris[(dimethylamino)methyl]-</b>	
LD50 oral	1000 mg/kg
LD50 dermal	1280 mg/kg
<b>Tetraethylenepentamine</b>	
LD50 oral	500 mg/kg
LD50 dermal	1700 mg/kg
<b>2-Butoxyethanol</b>	
LD50 oral	470 mg/kg
LD50 dermal	220 mg/kg
LC50 Inhalation - Rat (Vapours)	2.03 mg/l/4h
<b>Hexanoic acid, 2-ethyl-</b>	
LD50 oral	2043 mg/kg
LD50 dermal	1140 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory sensitization	: classification not possible
Skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: classification not possible
Carcinogenicity	: classification not possible
..... Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: May cause damage to organs (central nervous system, kidneys, blood system, respiratory system, liver).
STOT-repeated exposure	: May cause damage to organs (central nervous system, blood system) through prolonged or repeated exposure.
Aspiration hazard	: classification not possible

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## 12. Ecological information

### Ecotoxicity

- Ecology - general : Harmful to aquatic life, Harmful to aquatic life with long lasting effects.  
 Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life  
 Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

<b>Benzyl alcohol</b>	
LC50 - Fish [1]	10 mg/l
NOEC chronic crustacea	51 mg/l
<b>2-Butoxyethanol</b>	
LC50 - Fish [1]	116 mg/l
EC50 - Crustacea [1]	130 mg/l
<b>Hexanoic acid, 2-ethyl-</b>	
EC50 - Crustacea [1]	85.4 mg/l

### Persistence and degradability

- Persistence and degradability : No data available

### Bioaccumulative potential

- Bioaccumulative potential : No data available

### Mobility in soil

- Mobility in soil : No data available

### Hazardous to the ozone layer

- Ozone : classification not possible

## 13. Disposal considerations

- Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.  
 Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
 Regional waste regulation : Disposal must be done according to official regulations.  
 Sewage disposal recommendations : Disposal must be done according to official regulations.  
 Additional information : Do not re-use empty containers.

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## 14. Transport information

### International Regulations

#### United Nations Recommendations on the Transport of Dangerous Goods(UN RTDG)

UN-No.(UN RTDG)	: Not applicable
Proper Shipping Name (UN RTDG)	: Not applicable
Packing group (UN RTDG)	: Not applicable
Transport hazard class(es) (UN RTDG)	: Not applicable

### Regulations in Japan

MFAG-No	: 171
Other information	: No supplementary information available

## 15. Regulatory information

Follow all regulations in your country.

## 16. Other information

Data sources	: JIS Z 7252 : 2019. JIS Z 7253 : 2019.
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