

## Safety Data Sheet (SDS)

### 1. Product and the Company Identification

Product Name	: PROTECO TAPE
Common name	: Flame-spread prevention tape
Company name	: Furukawa Techno Material Co., Ltd.
Address	: 5-1-8, HIGASHI-YAWATA, HIRATSUKA-CITY, KANAGAWA-PREF, 254-0016, Japan
Contact Office	: Quality Assurance Department, Fire Prevention Division
Telephone number	: +81-463-24-9341
Fax number	: +81-463-24-9346
Emergency contact	: +81-463-24-9341

Recommended applications and usage restrictions:

The product shall be used as a wound tape for fire spreading prevention of cables, etc.

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### 2. Hazards Identification

GHS Classification

Physicochemical hazards

Explosives	: Not applicable
Flammable gas	: Not applicable
Flammable aerosol	: Not applicable
Oxidizing gas	: Not applicable
Gases under pressure	: Not applicable
Flammable liquid	: Not applicable
Flammable solid	: Classification not possible
Self-reactive substance	: Classification not possible
Pyrophoric liquid	: Not applicable
Pyrophoric solid	: Classification not possible
Self-heating substance	: Classification not possible
Substance which, in contact with water, emits flammable gases:	Not applicable
Oxidizing liquid	: Not applicable
Oxidizing solid	: Not applicable
Organic peroxide	: Not applicable
Corrosive to metal	: Classification not possible

**Health hazards**

Acute toxicity (oral)	: Class 5
Acute toxicity (dermal)	: Classification not possible
Acute toxicity (inhalation: gases)	: Not applicable
Acute toxicity (inhalation: vapors)	: Not applicable
Acute toxicity (inhalation: dust/mist)	: Classification not possible
Skin corrosion/irritation	: Classification not possible
Serious eye damage/eye irritation	: Classification not possible
Respiratory sensitization	: Classification not possible
Skin sensitization	: Classification not possible
Germ cell mutagenicity	: Classification not possible
Carcinogenicity	: Class 1B
Reproductive toxicity	: Class 1B
Specific target organ toxicity (single exposure)	: Classification not possible
Specific target organ toxicity (repeated exposure)	: Classification not possible
Aspiration hazard	: Classification not possible

**Environmental hazards**

Hazardous to the aquatic environment (acute)	: Classification not possible
Hazardous to the aquatic environment (chronic)	: Classification not possible
Hazard to the ozone layer	: No useful information
Persistence and degradability	: No useful information
Bioaccumulation potential	: No useful information
Mobility in soil	: No useful information

**GHS Label elements**

Symbols/Pictograms :



Signal word : Danger

Hazard Statement :

With the hazard statement for antimony trioxide

- Acute toxicity (oral):Class 5
- Carcinogenicity is possible: Class 1B.
- The substance may be Reproductive toxicity : Class 1B.

According to the above information, the above class was described from the blending amount.

Other hazards which do not result in GHS classification

Toxicity	: No useful information
Environmental hazards	: No useful information
Physical and chemical hazards	: The risk of fire is low when it is handled normally.
Vital sign	: None in particular
Outline of possible emergency	: None in particular
Information about country/region	: Not applicable

### 3. Composition/Information on Ingredients

Single chemical substance or mixture: Mixture

Composition /Chemical name	Chemical formula	Content (%)	Reference number in gazetted list in Japan*	CAS №	U.N. class
Chlorinated polyethylene	$-\text{[(CH}_2\text{-CH}_2\text{)]}_l\text{-(CH}_2\text{-CHCl)}_m\text{-}]_n\text{-}$	Nondisclosure	(6)-3	64754-90-1	Not restricted
Acrylonitrile butadiene rubber	$\begin{array}{c} -(\text{CH}_2\text{-CH})_m\text{-(CH}_2\text{-CH=CH-CH}_2\text{)}_n\text{-} \\   \\ \text{CN} \end{array}$		(6)-454	9003-18-3	Not restricted
Zinc borate	$2\text{ZnO} \cdot 3\text{B}_2\text{O}_3 \cdot 3.5\text{H}_2\text{O}$		(1)-73	1332-07-6	3077
Aluminium hydroxide	$\text{Al(OH)}_3$		(1)-17	21645-51-2	Not restricted
Antimony trioxide	$\text{Sb}_2\text{O}_3$		(1)-543	1309-64-4	1549
Carbon black	C		—	1333-86-4	1361
Calcium carbonate	$\text{CaCO}_3$		(1)-122	471-34-1	Not restricted
Softener material	Nondisclosure		—	—	—

\*: Chemical Substances Control Law (JAPAN)

Law concerning Pollutant Release and Transfer Register / PRTR Law (JAPAN)

Cabinet Order on the Revised (promulgated on November 21, 2008)

Class I Specified Chemical Substances : Zinc borate, Antimony trioxide

Industrial Safety and Health Act (JAPAN)

Chemical substances to be notified : Appendix №9 №38 Antimony trioxide,  
№130 Carbon black

#### 4. First Aid Measures

Inhalation	: Remove the victim from the contamination to fresh air. Seek medical attention if necessary.
Skin contact	: Not particularly-problematic. Seek medical attention if the victim has a skin allergy and experiences a problem with his/her skin.
Eye contact	: Do not rub the eyes. Rinse the affected eyes with clean water for several minutes. Seek medical attention if necessary.
Swallowing	: Wash the inside of the mouth and seek medical attention if necessary.
Most important signs and symptom	: None in particular
Protection of first-aiders	: None in particular
Special notes for doctors	: None in particular

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#### 5. Fire-Fighting Measures

Extinguishing media	: Powdery, carbon dioxide gas and other extinguishing agents are effective.
Unsuitable extinguishing media	: Not specified
Specific hazards with regard to extinguishing	: CO, CO <sub>2</sub> and other gases and black smoke are generated during combustion.
Specific fire extinguishing method	: Carry out fire extinguishing activities from a windward direction. If there is no danger, remove the product from the fire area.
Protection for fire extinguishers	: Wear respiratory protective gear to suit fire extinguishing activities.

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#### 6. Accidental Release Measures

Personal precautions	: None in particular
Environmental precautions	: None in particular
Methods for collect	: None in particular

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#### 7. Handling and Storage

Handling	: None in particular
Storage	: To avoid deterioration and deformation, keep indoors at room temperature without exposure to rain, wind, sunlight, or heat.

## 8. Exposure Control and Personal Protection

### Control parameters

Administrative exposure level : Not established

Occupational exposure limit value (OEL) : Not established

### Exposure control

Countermeasure equipment : None in particular

Protective equipment : Wear masks, gloves, long sleeve clothes, hats, etc.

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## 9. Physical and Chemical Properties

Physical state : Solid (Form: Tape)

Appearance (Color) : Dark Gray

Odor : Almost odorless

Melting point : Nondisclosure

Relative density : Nondisclosure

Solubility in water : Insoluble

Solubility in organic solvents : Soluble (especially toluene)

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## 10. Stability and Reactivity

Reactivity, Chemical stability : Nonflammable. Stable under normal handling and storage.

Possibility of hazardous reactions : Not pyrophoric, not reactivity with water.

Not oxidizing properties. Not self-reactivity or explosive.

Not dust explosive.

Conditions to avoid : No useful information

Incompatible materials : No useful information

Hazardous decomposition product : CO, CO<sub>2</sub> and other gases and black smoke are generated when burned.

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## 11. Toxicological Information

With the hazard statement for antimony trioxide

- Acute toxicity (oral): Class 5
- Carcinogenicity is possible: Class 1B.
- The substance may be Reproductive toxicity : Class 1B.

According to the above information, the above class was described from the blending amount.

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## 12. Ecological Information

Hazard to the aquatic environmental (acute)	: Classification not possible
Hazard to the aquatic environmental (chronic)	: Classification not possible
Hazard to the ozone layer	: No useful information
Persistence and degradability	: No useful information
Bioaccumulation potential	: No useful information
Mobility in soil	: No useful information

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## 13. Disposal Considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Disposal should be entrusted to authorized waste disposal companies.

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## 14. Transport Information

UN No	: Not restricted
UN CLASS	: Not restricted
International Air Transportation (ICAO-TI/IATA-DGR)	: Not restricted
International Marine Transportation (IMDG Code)	: Not restricted

National Regulations:

Transport should be in accordance with national laws and regulations.

Others:

To avoid deterioration and deformation, transport without exposure to rain, wind, sunlight, or heat.

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## 15. Regulatory Information

Fire Service Act (JAPAN): Designated flammable goods (Synthetic resins)

Industrial Safety and Health Act (JAPAN)

: Chemical Substances Subject to Notification (Carbon Black, Antimony trioxide)

PRTR Law (JAPAN)

: Zinc Borate (Class 1 Specified Chemical Substance No405/Boron Compound)

Antimony trioxide (Class 1 Specified Chemical Substance No31)

Water Pollution Prevention Act (JAPAN)

: Zinc borate (zinc 2mg/L or less, boron and its compounds 10mg/L or less)

Antimony trioxide

Sewerage Act (JAPAN)

: Zinc borate (zinc 2mg/L or less, boron and its compounds 10mg/L or less)

Antimony trioxide

Poisonous and Deleterious Substances Control Act (JAPAN)

: Antimony trioxide

Air Pollution Control Act (JAPAN)

: Antimony trioxide

Soil Contamination Countermeasures Act (JAPAN)

: Zinc Borate (Boron and its compounds specified in Article 2, paragraph 1 of the Law)

Act on Prevention of Marine Pollution and Maritime Disaster (JAPAN)

: Not applicable.

Ship Safety ACT (JAPAN)

: Not applicable.

Act on Prevention of Marine Pollution and Maritime Disaster (JAPAN)

: Not applicable.

Waste Management and Public Cleansing Act (JAPAN)

: Not applicable

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## 16. Other information

Contact office : Quality Assurance Department, Fire Prevention Division

Telephone number : +81-463-24-9341

### Warning:

This Safety Data Sheet has been prepared based on the latest materials and data available and its information is not guaranteed. It may be subject to revision depending on future findings.

The cautions described herein are targeted at usual treatment, and in case the users of this product implement special treatments, they are advised to take safety measures suitable for their purpose and usage.