

**1. Product and Company Identification**

Product	: TIP RECOVERY ST-45			
Chemical name				
Manufacturer	: TAIYO ELECTRIC IND. CO., LTD.	Section	:Engineering department	
Address	: 2-16-8 Yamate Fukuyama Hiroshima 720-0092 Japan			
Tel	: 084-951-1512	FAX	:084-951-9531	E-mail : info@goot.co.jp
Issue date	:2016-12-07	Reviewed date	:---	

**2. Hazards Identification**

## &lt;GHS Classification&gt;

Not applicable

## &lt;GHS label elements&gt;

Not applicable

## &lt;Signal Word&gt;

Not applicable

## &lt;Hazard and toxicity information&gt;

Keep out of mouth. Will choke if ingested.

Do not put near fire, or may emit noxious gas.

## &lt;Precautionary statement&gt;

## 【Prevention】

Use only with cooled-down tips.

Don't use this product for unintended purposes.

## 【First Aid Measures】

IF INHALED See 4. First aid measures

IF IN EYES See 4. First aid measures

IF SWALLOWED See 4. First aid measures

## 【Storage】

Keep away from children.

## 【Disposal】

Dispose of products/containers in accordance with local regulations.

**3. Composition / Information on Ingredients**

Substance : Mixture

Chemical name (Generic name) : Tip Recovery (Erases tip oxides)

Concentration or Concentration range

Component	Percent (wt%)	Chemical Formula	Chemical Substances Control Law No.	CAS No.
Natural Rubber	Undisclosed	Undisclosed	Undisclosed	Undisclosed
Calcium carbonate	Undisclosed	Undisclosed	1-122	471-34-1
Factice	Undisclosed	Undisclosed	Undisclosed	Undisclosed
Abrasive	Undisclosed	Undisclosed	Undisclosed	Undisclosed

**4. First Aid Measures**

IF INHALED	: In case of inhalation of burning gas, remove the victim to fresh air. Get medical advice/attention if you feel unwell.
IF IN EYES	: If shavings get into eyes, please remove material and wash eyes out with water. Get medical advice/attention if you feel unwell.
IF SWALLOWED	: Not toxic if ingested. Please eject from mouth or throat. Get medical advice/attention if you feel unwell.
Anticipated acute/delayed effects	: No special effects
Most important symptoms/effects	: No information available
Protection for first-aid responders	: No need

**5. Fire Fighting Measures**

Extinguishing media	: Foam fire extinguisher, powder fire extinguisher, carbon dioxide.
Unsuitable extinguishing media	: N/A
Specified hazards arising from the chemical if burning	: May emit noxious gas when burnt.
Specific fire fighting	: N/A
Special protective equipment for fire fighter	: Fight fire from upwind. Avoid inhaling noxious gas. Wear appropriate protective equipment for respiration.

**6. Accidental Release Measures**

Personal precautions, protective equipment and emergency procedures	: N/A
Environmental precautions	: Product should not be released into the environment.
Collection and Neutralization	: Sweep up shavings, and dispose of responsibly.
Prevention of secondary disaster	: Do not put into ditch, drain, sewer, underground, or secluded place.

**7. Handling and Storage**

<b>【Handling】</b>	
Appropriate engineering controls	: Use only with cooled-down tips.
Local exhaust / Total ventilation	: N/A
General precautions	: Use only with cooled-down tips. : Do not use near Children.
<b>【Storage】</b>	
Appropriate engineering controls	: Keep away from children.
Appropriate storage conditions	: Keep it at a normal temperature.
Hazardous substance by mixing	: N/A
Packaging materials	: N/A

**8. Exposure Controls / Personal Protection**

Engineering controls	: No need
Exposure limit	: Not established

Tolerable concentration	: ACGIH TLV(s) TWA – not established : Japan Association of Industrial Health – not established
<b>【Personal protective equipment】</b>	
Respiratory protection	: No need especially
Hand protective equipment	: No need especially Wear appropriate protective gloves if needed.
Eyes Protection	: No need especially Wear appropriate protective eyewear (goggles etc.) if needed.
Skin and body protection	: No need especially
Appropriate hygiene measures	: After work, wash hands well.

## 9. Physical & Chemical Properties

Physical state/appearance	: Solid, square
Odor	: Mild rubber scent
PH value	: N/A
Melting/Freezing point	: N/A
Boiling point, initial boiling point, boiling range	: N/A
Flash point	: N/A
Auto-ignition temperature	: N/A
Upper flammability limit	: N/A
Lower flammability limit	: N/A
Vapor pressure	: N/A
Vapor density (AIR = 1)	: N/A
Density	: Data unavailable
Solubility	: Water - insoluble

## 10. Chemical Stability & Reactivity Information

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Data unavailable
Conditions to avoid	: Direct sunlight, high temperature
Incompatible materials	: Data unavailable
Hazardous decomposition products	: May emit noxious gas when burnt.

## 11. Toxicological Information

Acute toxicity	: No information available
Skin corrosion/Irritation	: No information available
Serious eye damage/irritation	: Burning gas irritates eyes.
Respiratory sensitization	: No information available
Skin sensitization	: No information available
Germ cell mutagenicity	: No information available
Carcinogenicity	: No information available
Reproductive toxicity	: Out of category
Specific target organ systemic toxicity – Single exposure	: Out of category

Specific target organ systemic : Out of category  
toxicity – Repeated exposure

Respiratory hazard : Burning gas causes irritation to respiratory tract.

## 12. Ecological Information

Ecotoxicity : No information available  
Acute effects to aquatic environment : No information available  
Chronic effects to aquatic environment : No information available

## 13. Disposal Considerations

Dispose in accordance with local/regional/national/international regulations.

## 14. Transportation Information

### 【International Regulation】

UN Class : Not applicable  
UN No. : Not applicable  
UN proper shipping name : Not applicable  
IMDG : Not applicable  
Marine pollutant : Not applicable

【Domestic regulations】 : Refer to local regulations.

Land transport – Non-hazardous, Sea/Air transport – Non-hazardous

Special precautions : Avoid direct sunlight during transportation.

## 15. Regulatory Information

Fire regulations : Flammable (synthetic) Designated quantity 3,000 kg  
Industrial Safety and Health : Not applicable  
Act in Japan  
Labor standards act : Not applicable  
Ship safety act : Not applicable  
Aviation act : Not applicable  
PRTR in Japan : Not applicable  
Poisonous and Deleterious : Not applicable  
Substances Control Act  
RoHS in EU : Compliance (regulated substances are not included.)

## 16. Other Information

The information herein is given in good faith, but not a warranty. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.