

## PRODUCT SAFETY DATA SHEET

### COLOR PENCIL "IROJITEN"

No.E090311-1  
Print date: 11/Mar/2009

---

#### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: **IROJITEN**  
**[CI-R]**  
Application: Color Pencil  
Color: 90 colors  
Company: **TOMBOW PENCIL CO., LTD.**  
 Environmental Quality Unit  
 Toshima 6-10-12 Kita-ku Tokyo, Japan  
 TEL: +81-3-3912-1308 FAX: +81-3-3912-3451  
 Urgent mail: webmaster@star.tombow.co.jp

---

#### 2. HAZARDS IDENTIFICATION

No data

---

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Pencil Barrel:**  
Wood

**Lead:**

wt%	Chemical name
20-25	Wax & Fatty Acid
55	Clay minerals
20	Pigments (TiO <sub>2</sub> , Azoic Pigments, Phthalocyanine Blue and Carbon Black)
5	Natural Gum
trace	Activating Agent

---

#### 4. FIRST-AID MEASURES

Inhalations: Move to fresh air area.  
Eye contact: Flush thoroughly with water and get prompt medical attention.  
Skin contact: Wash with water with soap.  
Ingestion: Drink water and vomit by force.

---

#### 5. FIRE-FIGHTING MEASURES

Extinguishing media: Water, Powder, Foam, Carbon dioxide.

---

---

## 6. ACCIDENTAL RELEASE MEASURES

It doesn't leak.

---

## 7. HANDLING & STORAGE

Handling: Avoid contact with skin and eyes.

Storage: Avoid all sources of ignition-heat, sparks and open flame.  
Adequate ventilation and clean up will be maintained.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits (TLVs & BEIs): ACGIH: TLV-TWA 3.5 mg/m<sup>3</sup> (Carbon Black)  
10 mg/m<sup>3</sup> (TiO<sub>2</sub>)

Personal protection: Usually special attention will not be needed.

---

## 9. PHYSICAL & CHEMICAL PROPERTIES (Lead)

Appearance: Colored Solid Odor: little

pH: no data

Melting point: about 80°C

Boiling point: no data

Flash point: no data

Explosion limits: no data

Vapor Pressure: no data

Relative density: no data

Solubility: Soluble in Water a little

---

## 10. STABILITY & REACTIVITY

Stability: Stable under normal conditions.

Conditions/materials to avoid: Avoid high temperature & high humidity.

Hazardous decomposition products: No data

---

## 11. TOXICOLOGICAL INFORMATION (Lead)

Acute Toxicity: Oral / Rat LD<sub>50</sub> >15400 mg/kg (Carbon Black)

Oral / Rat TDLo 60 g/kg (TiO<sub>2</sub>)

Carcinogenicity: ACGIH A4 (Carbon Black, Talc, TiO<sub>2</sub>)

---

## 12. ECOLOGICAL INFORMATION

No data

---

## 13. DISPOSAL CONSIDERATION

Disposal must be made according to official regulations.

---

**14. TRANSPORT INFORMATION**

UN No.: none

Class or division: none

---

**15. REGULATORY INFORMATION**

No data

---

**16. OTHER INFORMATION**

Reference literature: ACGIH, RTECS, CHRIPI

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

---