



Consumer Information Sheet #2284

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A.T.CROSS COMPANY
ONE ALBION ROAD
LINCOLN, RHODE ISLAND 02865
Phone: (401) 335-8376

POLYMER LEADS
NEW HARBOR LEAD
USED IN: MECHANICAL PENCILS
Prepared: 2/14/03
Revised:

This is a reproduction of the Ink Manufacturers MSDS for bulk ink. An MSDS for the writing instrument is not required. They are exempt as either "articles", 29 CFR 1910.1200(b)(6)(v), or a "consumer product", 29 CFR 1910.1200(b)(6)(ix). ASTM D-4236 Labeling is also not required for these products.

SECTION I GENERAL INFORMATION

MANUFACTURER NAME: Chitose Co., LTD.

Head Office
806-1, Kinmei-Cho, Soka-Shi, Saitama-Ken,
Japan
Phone: (0489) 43-7375
Telex: 2962-933 Chtose J

Business Department & Plant
147 Angyohara, Kawaguchi-Shi, Saitama-Ken
Japan
Phone: (0482) 96-5002
Fax: 81-482-94-9852

SECTION II HAZARDOUS INGREDIENTS (Specify components)

CAS-no.	Substance	conc.	Range %	classification
	Graphite		60% - 70%	
	Carbon		40% - 30%	
	Hazardous Ingredients:		None	

SECTION III PHYS./CHEM. CHARACTERISTICS (SPECIFY COMPONENT)

Appearance: Dark-gray to deep-black 0.5mm to 0.9mm, 2.0mm dia. Stick type	Odor: None
Vapor Pressure: MM HG @ 20°C: N/A	Surface Tension: @ 20°C: 42
Vapor Density (Air = 1): N/A	Melting Point (°C): approx. 3700
Solubility in Water: Insoluble	Evaporation Rate (Butylacetate = 1) N/A
pH: 9.5	Viscosity: @ 25°C: 1.96 CPS
Boiling Point: No information found	Specific gravity: 2.2

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flashpoint: (°F): 188°C in case of using paraffin

Extinguishing Media: Water Spray, Carbon Dioxide, Foam

Fire and Explosion Hazards: None

NFPA Hazard Rating: H-1, F-2, R-0

SECTION V HEALTH DATA

1. Acute: N/A 2. Chronic: N/A

Chemicals Listed as Carcinogens: none

Effects of overexposure: No health hazard in normal usage. The ingredients used on this polymer leads are approved by "JIS" Standard No. S-6005-1989 and inspected by Bunka Yoohin Anzen Shiken jyo, Tokyo, Japan.

Emergency and First Aid Procedures

Routes of Entry	First Aid Procedures	Seek Medical Advice
Inhalation	Not Applicable	
Eyes	Flush eyes with fresh water on low pressure, and obtain medical attention.	X
Skin	Remove by wiping, wash skin with soap and water.	
Ingestion	None. If large amounts of Polymer Leads are ingested, obtain medical attention.	X

SECTION VI REACTIVITY DATA

Stability: Stable Unstable

Conditions to avoid: none

Hazardous polymerization; May occur will not occur Chemical Incompatibility: None

SECTION VII SPECIAL PROTECTION

Respiratory: Not Applicable

Eye: Not Applicable

Gloves: Not Applicable

Local Exhaust Ventilation: Not Applicable

Clothing: Not Applicable

SECTION VIII ENVIRONMENTAL DATA

Environmental Toxicity: Not Applicable

Spill and Leak Procedure: Not Applicable

Waste Disposal Method: In accordance with Federal, State and Local Regulations.

SECTION IX SPECIAL PRECAUTION

Transportation Requirement: None

Storage: None. Store in normal room.

SECTION X OTHER REGULATORY CONTROLS:

Not applicable.