

SAFETY DATA SHEET

Manufacturer : M O N A M I CO.,LTD
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1. PRODUCT NAME

Red Paste E

2. HAZARDS IDENTIFICATION

[Emblem]



Acute toxicity is extremely rare. Symptoms of chronic toxicity vary with quantity of lead and chromium absorbed, period of exposure, and physical constitution of the person exposed but usually, after a period of several weeks to several months, symptoms of fatigue, loss of appetite, skin pallor, anemia and digestive disorders such as constipation manifest themselves.

EMERGENCY OVERVIEW : May cause eye and skin irritation and hurt.

POTENTIAL HEALTH EFFECTS ;

Eye : May cause irritation and hurt.

Skin : May cause irritation and hurt. Low hazard for usual industrial handling.

Ingestion : May cause irritation and hurt of the digestive tract.

POTENTIAL ENVIRONMENTAL EFFECTS : Not applicable

3. COMPOSITION, INFORMATION ON INGREDIENTS

Form : Paste Compound

Use : Hit · Fit · Flat checking paste

Ingredients and Components(%by mass)	: Chrome Vermilion (PbCrO ₄ ·xPbMoO ₄ ·yPbSO ₄)	approx. 19.4%
	Lead Chromate : Molybdate Orange, Chrome Vermilion C.I.Pigment Red 104, C.I.77605 CAS. No.12656-85-8	
	: Barium Sulfate C.I.Pigment White 21 (BaSO ₄)	約 2.3%
	CAS. No.7727-43-7	
	: Calcium Carbonate (CaCO ₃)	approx.21.7%
	CAS. No. 471-34-1	
	: Base oil (Highly refined petroleum oil)	approx.49.4%
	: Thickener (Lubricating paste)	approx. 6.2%
	: Additives (anti-oxidant, etc.)	below 1%

Hazardous Components	OSHA PEL	ACGIH TLV	Percent
Lead Chromate (PbCrO ₄)		0.05 mg/ m ³ (as Pb)	approx. 15.4%
		0.012 mg/ m ³ (as Cr)	
Lead Sulfate (PbSO ₄)	0.05 mg/ m ³ (as Pb)	0.05 mg/ m ³ (as Pb)	approx. 1%
Lead Molybdate (PbMoO ₄)	0.05 mg/ m ³ (as Pb)	0.05 mg/ m ³ (as Pb)	approx. 2%
Barium Sulfate	15 mg/ m ³	10 mg/ m ³	approx. 1%
	Lead ; 12.2%	Chromium (VI) 2.4%	

4.FIRST AID MEASURES

- Eye contact : Do not rub eyes. Do not close eyes firmly. Wash eyes with clean running water and consult ophthalmologist..
- Skin contact : Wash the affected area under running water using a mild soap
- Inhalation : Remove the victim from the contamination immediately to fresh air.
Call a physician if symptom persists.
- Ingestion : Do not induce vomiting. Call a physician and seek medical advice at once
- PROTECTION TO FIRST-AIDERS: Rubber gloves and Goggles.

5.FIRE FIGHTING MEASURES

- Extinguishing media : Dry chemical, Foam, Carbon dioxide.
- Fire fighting procedure : Fire-fighters should wear self-contained breathing apparatus with

6.ACCIDENTAL RELEASE MEASURES

Wipe the spot with cloth or something to prevent it from scattering and shut off all sources of ignition. Absorb spill with inert materials(e.g.,dry sand or earth),then place in a chemical waste container with covers for disposal, using nonsparking tools.

7.HANDLING AND STORAGE

HANDLING: Avoid direct contact with skin or eyes.
Use in the well-ventilated areas.

STORAGE: Should be kept tightly sealed and stored in doors out of direct sunlight.
Keep away from sources of heat, open flames and sparks.

Avoid long storage periods since the product degrades with age.

8.EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits : The limit for mineral oil is TWA 5mg/ m³ as oil mist by ACGIH.

Health Hazard :(Acute and chronic)
Oral rat LD₅₀ ≥5000mg/kg or greater

Ventilation : Do not use in areas without adequate ventilation.

Persona Protection : Wear protective eyeglasses or chemical safety goggles if oil mist generated.
When prolonged or frequently repeated contact could occur, use protective clothing such as butyl rubber, impervious to this material. .

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor : Grayish green or black paste, Mild odor
 Density(g/m³) : approx. 1.1
 Dropping point : approx. 200°C
 Melting, Boiling point : Not available
 Solubility : Negligible in water. Dilution with oil.

10. STABILITY AND REACTIVITY

Storage stability : This product is stable under normal storage.
 Incompatibility : Strong oxidizing agents and strong reducer.
 Flash point(method used) : approx. 200°C (Seta Close Cup)

11. TOXICOLOGICAL INFORMATION

Corrosiveness, Sensitization : If prolonged or repeated skin contact occurs, may cause skin irritation. If eye contact occurs, may cause eye irritation.

Acute toxicity : No data as product

Subacute toxicity : No data as product

Chronic toxicity : No data as product

Carcinogenicity	:	OSHA	IARC	NTP
		Lead chromate	No	1
		Lead inorganic compound	No	2A,2B
			2B	2B

Teratogenicity : No data as product

Reproductive effects : No data as product

Mutagenicity : No data as product

12. ECOLOGICAL INFORMATION

No known ecological data.

13. DISPOSAL CONSIDERATIONS

Inquire at official licensed waste disposal company.

Comply with all EU, national and local regulations.

Do not dump this material into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

Keep off water and keep away from oxidizing materials and source of ignition..

Keep container tightly closed

Japan Fire Protection Law: Restricted ignitable substance ("Shitei kanen-butu", ignitable solid).

UN Recommendations on the Transport of Dangerous Goods: Non dangerous substance

Hazardous Materials : Not available

LAND · SEA · AIR TRANSPORT

Class : Not available

Packing Group (PG) : Not available

UN Number : Not available

Proper Shipping Name : Not available

15. REGULATORY INFORMATION

『Please refer to any other federal, state and local regulations.』

16.OTHER INFORMATION

Though data and comments in the material safety data sheet are quoted from materials and informations available at present, this material safety data sheet does not guarantee anything.

Since the evaluation of hazards and noxiousness is not necessarily complete, pay special attention when handling.