

SAFETY DATA SHEET

Manufacturer : M O N A M I CO.,LTD
 Address : 1-13,2-CHOME,HINODECHOU,
 TOYONAKA-SHI, OSAKA, JAPAN
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First issue : April 12 2001
 Revised : Oct. 18 2015

1. PRODUCT NAME

Blue Paste E

2. HAZARDS IDENTIFICATION

[Emblem]



Toxicity is extremely rare.

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) : Milori Blue 《Fe(NH₄) [Fe(CN)₆] 》 : Ferriferrocyanide approx. 12%
 Iron Blue, Prussian Blue, Chinese Blue

COLOR INDEX; C.I.Pigment Blue 27 , C.I. 77510

CAS. No. 25869-00-5

Barium Sulfate C.I.Pigment White 21 (BaSO₄) approx. 2.3%

CAS. No.7727-43-7

Aluminum Sulfate [Al₄(OH)₁₀SO₄· 5 H₂O] approx. 8.6%

CAS. No.12428-64-7

Aluminum Oxide·Silicon Oxide (4SiO₂·Al₂O₃·2H₂O) approx.20.1%

CAS. No. 1332-58-7

Base oil (Highly refined petroleum oil) approx.50.3%

Thickener (Lubricating paste) approx. 5.7%

Additives (anti-oxidant, etc.) below 1%

Hazardous Components	OSHA PEL	ACGIH TLV	Percent
Barium Sulfate	15 mg/ m ³	10 mg/ m ³	approx. 2.3%

Risk Phrases : None Listed

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 full-face piece operated in positive pressure mode

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 $5\text{mg}/\text{m}^3$ as oil mist by ACGIH.

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/m^3) : approx. 1.3

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

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	: ACGIH A4 (Not classifiable as a human carcinogen)
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.