

Safety Data Sheet

1 Manufacturer Information

Company : Koyo Orient Japan Co.,Ltd.
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2 Trade name

Product name : **Musou Black**

3 Hazards Identification

GHS Classification : Not applicable
Risk : N/A
Harm : N/A
Environmental Impact : N/A

4 Composition / Information on Ingredients

Single product/Mixture : Mixture
Common name : Synthetic resin paint

Ingredient	CAS No.	% by weight
Acrylic Emulsion	~	30 ~ 45%
Aniline Black ※	13007-86-8	20 ~ 30%
Other		Secrecy

※ Includes chromium and trivalent chromium compounds and copper compounds. 3-5% for chromium.

5 First Aid Measures

- | | | |
|--------------------|---|---|
| After inhalation | : | If inhaled, move to a location with fresh air.
Consult a physician if symptoms persist. |
| After skin contact | : | In case of contact, wash skin with soap and copious amounts of water. Do not use solvent or thinner.
If you see changes in your appearance, feel irritation, pain, or generally feel unwell, seek medical advice. |
| After eye contact | : | Immediately rinse thoroughly with plenty of water for more than 15 minutes. Remove contact lenses if possible. Eyelids should be pulled away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops. |
| After ingestion | : | If swallowed by mistake, keep calm and seek medical advice immediately. Do not forcefully vomit unless directed by a doctor. |

6 Fire Fighting Measures

- | | | |
|---|---|--|
| Extinguishing method | : | Extinguish fire in response to surrounding fire.
Fire extinguishing should be done upwind. |
| Fire extinguishing agents | : | Water, carbon dioxide, foam, powder, dry sand and all other extinguishing agents. |
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |

7 Accidental Release Measures

- | | | |
|---|---|--|
| Personal precautions, protective equipment and emergency measures | : | Wear suitable protective equipment (gloves, protective mask, apron, goggles, etc.) when handling.
Prevent secondary disasters by keeping the area off limits except for relevant staff. |
| Environmental precautions | : | Do not discharge into the drains, rivers, or anywhere that will cause environmental impacts. |
| Clean up methods | : | Shovel or sweep up. Transfer to a container for disposal. Wash the spillage area with water.
Do not discharge into the drains, rivers, or anywhere that will cause environmental impacts. |

8 Handling and Storage

- Handling : Avoid inhalation. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke in work area.
After handling, should wash hands and face thoroughly. Dispose gloves properly.
A trace amount of hexavalent chromium elutes in a strong alkaline atmosphere.
- Storage : Store in a dry and cool place, well-ventilated place.
Keep away from sunlight, sparks, and open flame.

9 Exposure Control and Personal Protection

Hazard and exposure concentration standard of composition substance

Ingredient	Control Concentration	ACGIH(TLV)
Aniline Black	—	0.5mg/m ³ (Cr)

- Engineering controls : Ensure good ventilation and local exhaustion of the working area.
- Personal protective equipment
- Respiratory protection : Dust mask
 - Eye protection : Safety glasses
 - Hand protection : Gloves
 - Industrial hygiene : Avoid inhalation. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke in work area.
After working should wash hands and face thoroughly.

10 Physical and Chemical properties

- Appearance : Liquid
- Color : Black
- Odor : Slight acrylic odor
- Density (specific gravity) : 1.13
- PH : 8.0~9.0
- Boiling point, initial boiling point : Water 100°C
and boiling range

11 Stability and Reactivity

Stability	: Stable under normal use
Conditions to avoid	: Exposure to high temperature and direct sunlight
Materials to avoid	: Strong oxidizing agents
Hazardous decomposition products	: This does not burn, but if the coating film burns, CO, NO _x , halogen gas

12 Toxicological Information

Ingredient	Acute toxicity			Carcinogenic (IARC)
	Oral (mg/kg)	Transdermal (mg/kg)	Inhalation: Steam (mg/L)	
Aniline Black	Rat : ≥ 5000	—		

※Hazard information is data specific to the chemical substance, not for the mixture.

13 Ecological Information

Ingredient	Aquatic environmental hazard	
	Acute	Chronic
Aniline Black	Not classified	Not classified

※Hazard information is data specific to the chemical substance, not for the mixture.

14 Disposal Precautions

- : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Do not allow wastewater, after washing containers and equipment, to flow directly to the ground or drains. When incinerating waste, do not use an incinerator that does not have cleaning equipment as it produces toxic gas.

15 Transport Hazard Class

RID/ADR	: Non-hazardous for ground transport.
IMDG	: Non-hazardous for sea transport.
IATA	: Non-hazardous for air transport.
UN NUMBER	: Not applicable

This product is not considered a dangerous good under UN regulations.

16 Regulatory Information

Chemical Substance Management : Promotion Law (PRTR Law) [Japan]	Class I Designated Chemical Substance Chromium and Trivalent Chromium compounds (1-87)
Occupational Safety and Health Act : (OSHA) Notification target	Hazardous substances whose names, should be notified (Act 57-2, Enforcement Order Article 18-2, Appendix 9) Copper and its compounds (379) Chromium and its compounds (142)
Poisonous and Deleterious : Substances Control Law [Japan]	Not applicable
Fire Service Act [Japan]	: Not applicable
Fire prevention regulations	: Specified combustible material: Synthetic resins (quantity 3000 kg or more)

17 Other information

These informations are based on the knowledge and experience made until the date of the elaboration of this document, without any guarantee related to the products characteristics.