



November 2018

MATERIAL SAFETY DATA SHEET

1. Substance and Company Identification

Product Name: Crown Mordant Solution, Blue

Chemical Family: Etchant/ Cleaner

Manufacturer: Crown Paints Kenya Plc, Mogadishu Road, Industrial Area, Box 78848-00507, Nairobi, Tel: +254-20-533603, Fax: +254-20-544641

Email: safety@crownpaints.co.ke; OR technical@crownpaints.co.ke

Composition, Information and Ingredients

Substance	Weight %
Acid	5 - 20
Solvents	20 – 50
Water	40 – 60
Copper carbonate	< 1

2. Hazard Identification

Flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness. Harmful or fatal if swallowed, may cause lung damage and eye, skin and respiratory tract irritation. Repeated contact may cause an allergic skin reaction. Use only with adequate ventilation. Keep away from heat, sparks, flames and all other sources of ignition.

3. First aid measures

Skin contact: Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. DO NOT use solvents or thinners.

Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention.

Inhalation: Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Ingestion: DO NOT induce vomiting. Get medical attention immediately. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.

4. **Firefighting measures**

Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

Flash point: 31°C

Special firefighting procedures: Be aware of danger for fire to re-start. Cool containers exposed to flames with water until well after the fire is out. Do not allow runoff to sewer, waterway or ground.

Unusual fire and explosion hazards: FLAMMABLE. Solvent vapours may form explosive mixtures with air. When heated and in case of fire, harmful vapours/gases may be formed.

5. **Accidental Release Measures**

Precaution: Remove all sources of ignition (flame, hot surfaces and electrical, static and frictional sparks)

Personal: Provide maximum ventilation. Avoid breathing vapours.

Environmental: Do not flush into surface water or sanitary sewer systems

Clean up: Soak with inert material (e.g., sand, silica gel, acid binder, and sawdust) and use non-sparking tools. Place in clean empty containers. Wash area thoroughly with soap and water. Dispose in accordance with the regulations, use licensed hazardous waste disposal agent. Report spills to authorities as required.

6. **Handling and Storage**

Storage: Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep upright. Store separated from: Oxidising material. Alkalis. Acids.

Handling: Vapour may collect on low areas. Avoid static generation when pouring out liquid. Avoid breathing vapour. Do not weld or flame cut 'empty' containers. Wash hands before eating, smoking or using the wash room. Do not smoke, eat or drink anywhere near where this product is stored or used.

7. Physical and Chemical Properties

Appearance	Clear blue liquid
Boiling point	40°C
Specific gravity	1.00 – 1.05
Odour	Acrid

8. Chemical stability and reactivity

This product is stable and will not undergo hazardous reactions. When heated to decomposition it emits acrid smoke and irritating fumes. Open flame combustion may produce fumes, smoke, carbon monoxide, carbon dioxide oxides of nitrogen, sulphur, smoke, fumes, and/or unburned hydrocarbons and other asphyxiates.

9. Toxicological information

Direct contact may cause eye, skin and/or respiratory irritation. Ingestion may cause organ damage and result in death

11. Ecological information

Environmental toxicity: Do not allow product to enter drains or water courses. If applied to leaves, this product may kill grass, insects and small plants by interfering with transpiration and respiration. Product is toxic to fish and amphibians.

12. Exposure control / personal protection

Precaution To Be Taken In Use

use only with adequate ventilation

Avoid contact with skin and eyes . Avoid breathing vapour and spray mist.

Wash hands after use with water.

Removal of old paint by sanding, scraping or other means may generate dust or fumes that may contain Lead. Exposure to Lead dust or fumes may cause brain damage or other adverse health effects especially in children or pregnant women. Control exposure to dust or hazardous substances by use of proper protective equipment, such as



a properly fitted respirator (NIOSH approved) and proper containment and clean up

Ventilation.

Use /store in properly ventilated areas.

13. Disposal considerations

Waste Disposal Method

Incinerate in approved facility. Do not incinerate closed container.

Dispose in accordance

With Federal, State/Provincial, and Local regulations regarding pollution.

14. Transport information

Not classified or regulated as a hazardous material according to transport regulations but precautions should be taken to avoid freezing during transportation.

15. Regulatory information

TSCA Certification

All Chemicals in this product are listed or are exempt from listing on the TSCA Inventory.

16. Other information

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release and is not to be considered a warranty. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials unless specified in the text.

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