



MATERIAL SAFETY DATA SHEET

1. Substance and Company Identification

Product Name: Crown 2K Acrylic Enamel, all colours
Chemical Family: 2 Pack Polyurethane resin paints
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

2. Hazard Identification

H226 - Flammable liquid and vapour.
H312 - Harmful if in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H400 - Very toxic to aquatic life.

3. Composition, Information and Ingredients

Ingredient	% w/w	CAS No	Hazards
Polyurethane resin	20 - 65	1317-65-3	H226, H312, H315, H317, H319, H332
Xylene	10 - 25	1330-20-7	H226, H315, H319, H335, H336
Butyl Acetate	5 - 10	123-86-4	H226, H315, H319, H335, H400

4. First aid measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician if you feel unwell.

Skin contact: Rinse skin with water/shower. Remove immediately all contaminated clothing. Immediately call a doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs, get medical attention. Repeated exposure may cause skin dryness or cracking.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Get emergency medical attention.

5. Fire fighting measures

This is a highly flammable liquid.

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Fire hazard: Highly flammable liquid and vapour.

Explosion hazard: May form flammable/explosive vapor-air mixture

Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

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

Personal: Provide maximum ventilation. Avoid breathing vapours. Wear protective clothing

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

Clean up: Soak with inert material (e.g., sand, 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

7. Handling and Storage

Storage: Do not store or use near heat or naked flame. Store at room temperature (below 48°C) in a dry place. Keep container tightly closed and upright to prevent leakage.

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.

8. Exposure Controls/ Personal Protection

Occupational Exposure Limits

Ingredient	Exposure limits
Polyurethane Resin	TRGS 900 0,005 ppm 0,035 mg/m ³
Xylene	OHSA TWA: OEL-RL 100 ppm; 435 mg/m ³ STEL: OEL-RL 150 ppm; 650 mg/m ³
Butyl Acetate	OSHA TWA OEL-RL: 150 ppm; 710 mg/m ³ TWA: STEL: 200 ppm; 950 mg/m ³

Exposure controls

Personal protective equipment: Avoid all unnecessary exposure. Gas mask. Gloves. Protective clothing. Safety glasses.

Materials for protective clothing: Impermeable clothing.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Air-fed respiratory protective equipment should be worn when this product is sprayed. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information: Do not eat, drink or smoke during use.

9. Physical and Chemical Properties

Appearance	Viscous liquid of different colours
Flash point:	23.5°C
Specific gravity	0.95 – 1.3 depending on product.
Viscosity	50KU to very thick paste depending on product
% volatile	15– 90
Odour	Very strong and irritating

10. 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 and other asphyxiates. Strong oxidising agents, alkalis and acids may react with the product.

11. Toxicological information

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

12. Ecological information

Environmental toxicity: Product has adverse effect on the ecology. If applied to leaves, this product may kill grass and small plants by interfering with transpiration and respiration. Product is toxic to aquatic life.

13. Disposal Considerations

Regional legislation: Disposal must be done according to official regulations.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Remove waste in accordance with local and/or national regulations.

Additional information: Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials: Avoid release to the environment.



14. Transport information

UN Number:	1263
Shipping Name:	Paint
Packaging Group:	III
Hazard labels (ADR)	3 - Flammable liquids

15. Regulatory Information

Classification: F, Flammable
R10 Flammable
S2 Keep out of reach of children.
S16 Keep away from sources of ignition. No smoking

16. Other Information

This MSDS was last reviewed on November 2018.

In case of any discomfort always seek medical advice. All information is given in good faith but without guarantee in respect of accuracy. No responsibility is accepted for errors or omissions or the consequences thereof.

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