

# Material Safety Data Sheet.

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## 1. IDENTIFICATION OF THE PREPARATION AND COMPANY.

### Product name and code:

Heat Resistant Matt Black. FIP53L168

### Intended use:

A very high temperate paint for the protection and decoration ferrous metal. Apply by brush, roller or spray.

### Company details:

Kingstonian Paints Ltd. Mayfield House. Sculcoates Lane. Hull. HU5 1DR. T: 01482 342 216. F: 01482 493 096

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## 2. COMPOSITION AND INFORMATION ON INGREDIENTS.

Substances presenting a health hazard within the meaning of Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP) or assigned occupational exposure limits.

Name	Conc`. Range (%)	Symbol Letter	R-Phrases (For full text see section 16)
Xylene (All isomers) CAS 1330-20-7	30-45	Xn	R20/21, R38
Ethyl Benzene CAS 100-20-7	6-12	Xn	R20
Methyl Ethyl Ketoxime	0.15-0.2	Xn	R20, R40, R41, R43
Cobalt Zirconium Carboxylate	0.1-0.2	Xn	R22, R38, R43

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## 3. HAZARDS IDENTIFICATION.

FLAMMABLE.

Harmful by inhalation, in contact with skin and if swallowed.

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## 4. FIRST AID MEASURES.

### General:

In all cases of doubt or where symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

### Inhalation:

Remove to fresh air, keep the patient warm and at rest. If breathing has stopped administer artificial respiration. Give nothing by mouth. If unconscious place in a prone position with head to the side (recovery position) and seek medical advice.

### Eye contact:

Contact lenses should be removed. Irrigate copiously with water for 10 minutes whilst holding the eye lids apart and seek medical advice.

### Skin contact:

Remove contaminated clothing. Wash skin with soap and water. DO NOT use solvents or thinners.

### Ingestion:

If swallowed seek immediate medical attention. DO NOT INDUCE VOMITING. If the patient is conscious give milk or water to drink.

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## 5. FIRE FIGHTING MEASURES.

### Extinguishing media:

Recommended: alcohol resistant foam, CO<sub>2</sub> powder, water spray/mist.

Not to be used: water jet.

### Recommendations:

As the product contains combustible organic materials, fire can produce dense black smoke containing hazardous products of combustion (see sections 2, 7 & 10). Decomposition products may be hazardous to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers that are exposed to the fire with water spray. Do not allow run-off from any fire fighting to enter water courses rivers or drains.

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## 6. ACIDENTAL RELEASE MEASURES.

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel and warn others of the dangers present. Floors may become slippery. Refer to protective measures listed in sections 7 and 8. Avoid breathing vapour. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite diatomaceous earth and place in a clearly labelled container for disposal in accordance with the waste regulations (see section 13). Clean remainder of spillage preferably with a detergent, avoid using solvents. Do not allow spillage to enter water courses, rivers or drains. If the product enters water courses, lakes or rivers the Environment Agency should be notified immediately and in the case of drains or sewers local water company should be notified immediately.

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## 7. HANDLING AND STORAGE.

### Handling:

Apply product only in accordance with methods stated in section 1. Solvent vapours are heavier than air and may spread along the floor. They may form explosive mixtures with air. For personal protection see section 8. Avoid skin and eye contact. Avoid inhalation of the vapour. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid concentrations higher than the occupational exposure limits. Additionally the product should only be used in areas from which all naked lights and other sources of ignition have been removed. Electrical equipment should be protected to the appropriate standard. Keep the containers tightly closed. Exclude sources of heat, sparks and open flame. Smoking, eating and drinking should be prohibited in areas of storage and use. Never use pressure to empty a container, the container is NOT a pressure vessel. Always keep the product in containers made of the same material as the suppliers container. Good housekeeping standards and regular safe removal of waste materials will reduce the risk of spontaneous combustion and other fire hazards. The Manual Handling Operations Regulations may apply to the handling of containers of this product. Containers with a volume content of 5 litres or more may be marked with a maximum gross weight. To assist employers calculate an approximate gross weight use this formula: contents of container in litres x specific gravity shown in section 9 + container weight = approximate gross weight.

### Storage:

Although the storage of these products are subject to specific statutory requirements, the principles contained in HSE guidance note HS(G)51 "Storage of Flammable Liquids in Containers" should be observed. Observe the labelled precautions. Store between 5°C and 30°C in a dry, well ventilated place that is free from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which have been opened should be properly sealed and kept upright. The principles contained in the HSE guidance note HS(G)71 "Storage of Dangerous Substances" should be observed when storing this product. Store separately from oxidising agents and strongly alkaline or strongly acid materials.

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## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION.

All engineering control measures used to control exposure to hazardous substances must be selected, examined, maintained and tested to meet the requirements of the Control of Substances Hazardous to Health Regulations (COSHH). Similarly all personal protective equipment must be selected, issued and maintained to meet the requirements of COSHH. These requirements include the provision of any necessary information, instruction and training with regard to their use. Special precautions should be taken during the preparation of pre-1960's painted surfaces as they may contain harmful lead.

### Engineering measures:

Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation. If these are not sufficient to maintain concentrations of solvent vapours below the relevant occupational exposure limits suitable respiratory equipment should be worn (See personal protection, below) Dry sanding, flame cutting or welding of the dry paint will give rise to dust or hazardous fumes. Wet sanding should be used where possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be worn.

### Exposure limits.

Substance	Occupational Exposure Limits		Notations	
	8hr TWA PPM	mg m-3	15 min STEL PPM	mg
<b>m-3</b>				
Xylene (All isomers)	50	220	100	441
Ethyl Benzene	100	435	125	545
Cobalt Zirconium Carboxylate	—	0.1	—	—

### Notes:

<b>OES</b>	- Occupational exposure standard. (EH40table 2).
<b>TWA</b>	- Time weighted average.
<b>ppm</b>	- Parts per million.
<b>Mg m-3</b>	- Milligrams per cubic metre.
<b>STEL</b>	- Short term exposure limit.

### Personal Protection.

#### Respiratory protection:

If exposure to hazardous substances identified above cannot be controlled by the provision of local exhaust ventilation or good general extraction suitable respiratory protective equipment should be worn. Where high levels of solvent vapour are likely to occur (e.g. painting large surfaces or painting in confined spaces) air-fed respiratory protective equipment should be worn. Air-fed respiratory equipment should be worn when these products are sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls or methods cannot reasonably be improved.

#### Hand protection:

When skin exposure may occur wear gloves. Advice should be sought from glove suppliers to identify appropriate type. Barrier creams may help to protect exposed areas of skin but are not a substitute for full physical protection. They should not be applied once exposure has occurred.

#### Eye protection:

Eye protection designed to protect against liquid splashes should be worn.

#### Skin protection:

Cotton or synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Always wash your hands before eating, smoking or using the toilet.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES.

Physical state:	Viscous liquid.	
Flash point:	22°C to 32°C	Method: BS 3900 Part A9
Viscosity:	2.1 – 4.6 poise	Method: BS 3900 Part A7
Specific gravity:	1.1 to 1.7	Method: BS 3900 Part A12.
Vapour density:	Heavier than air.	
Vapour pressure:	Not determined.	
Lower explosion limit:	1% w at 28°C	
Solubility in water:	Immiscible.	
VOC content	EU limit for this product. Category I/1 600g/l 2007 & 500g/l 2010. This product contains max 410g/l Voc.	

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## 10. STABILITY AND REACTIVITY.

Stable under the recommended storage and handling conditions. (See section 7). In a fire hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced. Keep away from oxidising agents, strongly alkaline and strongly acid materials to prevent the possibility of exothermic reaction.

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## 11. TOXICOLOGICAL INFORMATION.

There is no data available on the products themselves.

### Inhalation:

Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucus membrane and the respiratory system and adverse effects on the renal and central nervous system. Symptoms include coughing, headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

### Skin contact:

Repeated or prolonged contact with the product may lead to the removal of natural fats from the skin resulting in non-allergic dermatitis and absorption through the skin. These products contain small amounts of biocide which whilst according to CHIP are not present in quantities to induce sensitisation by skin contact could however elicit an allergic reaction in a sensitised person.

### Eye contact:

Splashes in the eye may cause irritation and reversible local damage.

### Ingestion:

Ingestion may result in a sore throat, abdominal pain, nausea, drowsiness, vomiting and diarrhoea. Other effects may be described for exposure to the vapours.

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## 12. ECOLOGICAL INFORMATION.

There is no data on the products themselves.

The products should not be allowed to enter water courses, drains rivers or be deposited where they can affect ground or surface water. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of these products. Product contains some hydrocarbon solvent which are classified as dangerous to the environment, toxic to aquatic organisms. May cause long term effects in the aquatic environment.

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## 13. DISPOSAL CONSIDERATIONS.

Do not allow into drains, rivers, water courses or where ground or surface water may be affected. Wastes, including empty containers are controlled waste and should be disposed of in accordance with regulations made under the Environmental Protection Act, Special Waste regulations. Using the information provided in this safety data sheet, advice should be obtained from the Environment Agency as to how the special waste regulations apply. For further information see Waste Management-The duty of Care-A code of Practice, available from HMSO.

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## 14. TRANSPORT INFORMATION.

**Within premises:** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. These products are classified for transport as follows:

### Onward transport to subsequent purchaser:

Transport to be in accordance with ADR for road, RID for rail, IMDG for sea and ICOA/IATA for air transport

Template number:	4
Proper shipping name:	Paint
UN Number	1263
Hazard class:	3
Packing group:	111
Sub hazard class:	N/a
Marine pollutant:	No
Flash point	22°C to 32°C

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## 15. REGULATORY INFORMATION.

These products are classified and labelled for supply in accordance with the Chemicals (Hazard Information Packaging for Supply) Regulations (CHIP) as follows:

FLAMMABLE. HARMFUL.

Contains Xylene (all isomers). Harmful by inhalation, in contact with skin and if swallowed.

Irritating to skin and eyes.

Avoid contact with skin and eyes.

The information contained in this material safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at work etc Act and the Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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## 16. OTHER INFORMATION.

Text of R phrases listed in section 2.

R No	Phrase
R20	Harmful by inhalation.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R38	Irritating to the skin.
R40	Limited evidence of carcinogenic effect.
R41	Risk of serious eye damage
R43	May cause sensitisation by skin contact.

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## 16. OTHER INFORMATION: Continued:

The information contained in this material safety data sheet is provided in accordance with the provisions of Chemicals (Hazard Information and Packaging for Supply) regulations. The products should not be used for purposes other than those shown in section 1 without first referring to the supply and obtaining written handling instructions. The specific use and application conditions are outside of the suppliers control therefore the user is responsible for ensuring that the requirements of any relevant legislation are complied with.

Further guidance on OELs and the assessment of occupational exposure to substances hazardous to health is given in EH40: Occupational Exposure Limits, published by the HSE.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance to health, safety and environmental aspects of the product should not be construed as any guarantee of technical performance or its suitability for a particular application.

Further information and relevant advice can be found in:

The Control of Substances Hazardous to Health Regulations (as amended)

The Manual Handling Regulations (as amended)

Storage of Flammable Liquids in Containers HS(G)51

Storage of Packaged Dangerous Substances HS(G)71

The Environmental Protection (Duty of Care) Regulations (as amended)

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