

### MICACEOUS PAINT

<b>TYPE OF MATERIAL</b>	Micaceous Iron Oxide in a polyurethane modified linseed oil binder, reinforced with MIO and polyurethane.		
<b>USES</b>	Long term protection of steelwork. Normally 2 coats applied over a suitable primer such as Quad 8 HB Zinc Phosphate primer or Zinc phosphate primer.		
<b>COLOURS AVAILABLE</b>	Natural & Silver Grey		
<b>FINISH</b>	Matt (light textured finish)	<b>TYPE REFERENCE NO.</b>	881190, 881193
<b>NUMBER OF COMPONENTS</b>	one	<b>MIXING RATIO</b>	N/A
<b>METHOD OF APPLICATION</b>	Brush or Roller.		
<b>PACK SIZES AVAILABLE</b>	1Ltr & 2.5Ltr		
<b>VISCOSITY</b>	4.0-5.0 Poise at 20°C REL Cone & Plate.		
<b>PRACTICAL COVERAGE PER LITRE</b>	6-7 sq M/ Ltr.		
<b>WET FILM THICKNESS RANGE</b>	125-160 microns		
<b>DRY FILM THICKNESS RANGE</b>	65-80 microns		
<b>FLASH POINT</b>	44°C		
<b>DRYING TIMES:</b>	<b>SURFACE</b>	2-4 hours	
	<b>HARD</b>	16 hours	
	<b>OVERCOATING</b>	16-24 hours	
<b>CLEANING SOLVENT</b>	White Spirits		
<b>APPLICATION INSTRUCTIONS</b>	Normal brushing techniques. Apply a full coat over a suitably primed surface e.g Quad 8 Primer. Do not overbrush, but allow the paint to flow out. This is a fairly high build paint - check that the correct film thickness is being applied. For airless spray application, this paint can normally be applied without thinning; use a 15-21 thou tip.. However up to 5% white spirits may be added to assist application in cold temperatures or where there are application problems. Overthinning will destroy the sag resistance of this paint. Surfaces must be clean dry and grease free. Do NOT apply in air temperatures below 5°C (steel 4°C) or above 90% relative humidity as this will retard drying times. Do NOT apply if rain is likely before the paint has had time to hard dry as this will lead to rain damage to the drying paint film. Do NOT apply if temperature is expected to drop below 4°C before paint is dry or loss of adhesion may occur.		
<b>RESTRICTIONS ON APPLICATION AND OVERCOATING INSTRUCTIONS</b>			

THIS INFORMATION IS GIVEN IN GOOD FAITH, BUT BECAUSE OF VARIATIONS IN APPLICATION AND USE, NO WARRANTY IS GIVEN OR IMPLIED REGARDING THE RESULTS OBTAINED. USERS SHOULD SATISFY THEMSELVES OF THE SUITABILITY FOR THEIR PURPOSE AND USE.



TDS 853 MIOPV2

## TECHNICAL DATA SHEET

853

### MICACEOUS PAINT

#### SAFETY PRECAUTIONS

Flammable. Normal paint Health, Safety & Hygiene precautions apply. See tin label and Material Safety Data Sheet.

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## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** MICACEOUS PAINT

**Product code:** 853

**Synonyms:** MIO PAINT

MICACEOUS IRON OXIDE PAINT

**Use / description of product:** For the long term protection of structural steel.

**Company name:** Craig and Rose Ltd

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** WHITE SPIRIT BS245 10-30%

EINECS: 265-185-4 CAS: 64742-82-1

[-] R10; [N] R51/53; [Xn] R65; [Xi] R66

- DE-AROMATISED KEROSENE 1-10%

EINECS: 265-150-3 CAS: 64742-48-9

[Xn] R65; [Xi] R66

## 3. HAZARDS IDENTIFICATION

**Main hazards:** Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

## 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

**SAFETY DATA SHEET**

MICACEOUS PAINT

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**7. HANDLING AND STORAGE**

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** WHITE SPIRIT BS245  
WEL (8 hr exposure limit): 600 mg/m<sup>3</sup> WEL (15 min exposure limit): 3200 mg/m<sup>3</sup>

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Dark grey

**Odour:** Characteristic odour

**Solubility in water:** Insoluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Highly viscous

**Flash point°C:** 44

**VOC g/l:** 380

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**SAFETY DATA SHEET**

MICACEOUS PAINT

**Materials to avoid:** Strong oxidising agents. Strong acids.**Haz. decomp. products:** In combustion emits toxic fumes.**11. TOXICOLOGICAL INFORMATION****Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.**12. ECOLOGICAL INFORMATION****Mobility:** Readily absorbed into soil.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** D1 Tipping above or underground (e.g. landfill, etc.).

R1 Solvent reclamation/regeneration.

**Waste code number:** 08 01 11**Disposal of packaging:** Nominally empty containers where contents have dried out fully can be disposed of with normal waste.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** 1263**ADR Class:** 3**Packing group:** III**Shipping name:** PAINT**IMDG / IMO****UN no:** 1263**Class:** 3**Packing group:** III**EmS:** I**Labelling:** PAINT**IATA / ICAO****UN no:** 1263**Class:** 3**Packing group:** III**Labelling:** PAINT**15. REGULATORY INFORMATION****Hazard symbols:** Symbol not required.**Risk phrases:** R10: Flammable.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

## SAFETY DATA SHEET

### MICACEOUS PAINT

environment.

R66: Repeated exposure may cause skin dryness or cracking.

**Safety phrases:** S2: Keep out of the reach of children.

S29: Do not empty into drains.

**Precautionary phrases:** Contains ethyl methyl ketoxime, cobalt carboxylate, zirconium carboxylate. May produce an allergic reaction.

This product is classified as :

category A/d

under Schedule 2 of The Volatile Organic Compounds in Paint, Varnishes and Vehicle

Refinishing products regulations, SI 2005: 2773.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

**Risk phrases used in s.2:** R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.