C Roberson & Co Ltd

Safety Data Sheet according to Directive 91/155/EC

Revision Date: January 2009

1) Identification of the substance/preparation and the company

Trade Name: Ormoline Metallic Paint Medium

Application: Medium to Mix with Bronze Powders

Manufacturer/Supplier:

C. Roberson & Co Ltd
1A Hercules Street
London N7 6AT

Tel: 020 7272 0567

Fax: 020 7263 0212

2) Composition/Information on ingredients

Ingredients:

Mixture of resin and solvents.

Substance	CAS No.	Conc	Hazard Symbol	Risk Phase
Xylene, Mixture of Isomers	1330-20-7	2.5-10%	Xn, Xi	20/21-38-10
Toluene	108-88-3	50-100%	Xn, Xi,F	63-48/20-65-38-11-67
N-Butanol	71-36-3	2.5-10%	Xn, Xi	22-37/38-41-67-10

3) Hazards Identification

Classification: Xn – Harmful, F - Highly Flammable, Repro-Toxic, Irritant to Skin

Risk Phrases: Highly Flammable. Irritating to skin.
Harmful: Danger of serious damage to health by prolonged exposure through inhalation. Possible risk of damage to the unborn child.
May Cause lung damage if swallowed.

4) First Aid Measures

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

Inhalation:	Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
Skin contact:	Wash off skin with warm soapy water or use a proprietary skin cleaner. Remove contaminated clothing. Do not use solvents or thinners.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.
Eye contact:	Contact lenses should be removed. Irrigate thoroughly for at least 10 minutes with clean running water holding eyelids apart. Seek medical attention.

5) Fire Fighting Measures

Extinguishing Media:	Carbon Dioxide, Halogenated Hydrocarbons, Dry powder; Sand, Alcohol Resistant Foam, Non-Flammable material. Do not use water.
Special procedures:	No special instructions. Use recommended extinguishing appliances.

6 Accidental Release Measures

Personal protection:	Ventilate area and eliminate all sources of ignition. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures in Sections 7&8.
Environmental protection:	Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules.
Spill removal methods:	Confine absorbed residues in a clearly marked sealed container for disposal in accordance with Local Authority regulations for flammable products – subject to special waste management controls. Clean affected area with detergent & water – avoid use of solvents.

7) Handling and Storage

Handling precautions:	Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of explosive or flammable mixtures and avoid vapour concentrations above OEL. Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non-sparking tools and exclude sources of heat, sparks and flames. Keep container tightly closed. Always keep in containers made in the same material as the supply container.

Storage precautions:	Store in tightly-sealed, clearly marked containers. Keep out of reach of children in a cool well ventilated environment preferably within a lockable metal cabinet. Subject to the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations.

8) Exposure/Personal Protection

Engineering Measures: Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapour below relevant OELs, suitable respiratory protective equipment should be worn. Dry sanding, flame cutting and/or through welding of dried paint films will give rise to dust and/or hazardous fumes. Wet sanding or extract sanders should be used.

Substance	**Occupational Exposure Limits**				**Notation**
	15 min STEL		**8hr LTEL**		
	ppm	**mg/m³**	**ppm**	**mg/m³**	
Xylene, Mixture of Isomers	100.00	441.00	50.00	220.00	Sk loelv
Toluene	150.00	574.00	50.00	191.00	Sk OES
N-Butanol	50.00	154.00			Sk OES

Notes: Sk = Risk of absorption through skin
OES = Occupational exposure standard.

Personal protection: General: All PPE, including RPE, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory: Air fed respiratory equipment should be worn when sprayed if levels cannot be controlled below OELs and engineering methods cannot reasonable be improved.

Hand: Full physical protection is best. Seek advice from glove manufacturers.

Eye: Eye protection should be worn for all applications to help prevent accidental face/eye contact.

Skin: Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9) Physical and chemical Properties

Appearance:	Liquid
Density / SG:	0.84 g/cm³
VOC Content:	0.736 Kg/Lt

10) Stability and Reactivity

No relevant information

11) Toxicological Information

There is no data available on the product itself.

12) Ecological Information

There is no data available on the product itself.

13) Disposal Information

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with local regulations.

14) Transport Information

Road/Rail

ADR Class No.:		3
UN No.		1263
ADR Packing Group:		II

Sea

ADR Class No.:		3.2
UN No.		1263
ADR Packing Group:	<= 30 Ltrs	II
	>= 30 Ltrs	II
Marine Pollutant:		No
Ems:		3-07
Main Risk:		Flammable Liquid
Shipping Name:		Paint
MFAG:		310, 313

Air

ADR Class No.:		3
UN No.		1263
ADR Packing Group:	<= 30Ltrs	II
	>= 30 Ltrs	II

International Road/Rail

ADR Class No.:	3
UN No.	1263
ADR Packing Group:	II
Main Risk:	Flammable Liquid

15) Regulatory Information

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information and Packaging) Regulations as follows:

Classification: Xn – Harmful
F – Highly Flammable

HARMFUL

FLAMMABLE

Contains: Toluene

Risk Phases
11 Highly Flammable.
38 Irritating to skin.
48/20 Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
63 Possible risk of harm to the unborn child.
65 Harmful: May cause lung damage if swallowed.

Safety Phases:
13 Keep away from food, drink and animal feedstuffs.
16 Keep away from sources of ignition. No Smoking.
25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water.
29 Do not empty into drains>
43 In case of fire do not use water.
7/9 Keep container tightly closed and in a well-ventilated space.
24/25 Avoid contact with skin or eyes.
36/37/39 Wear suitable protective clothing, gloves and/or face protection.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Text of any risk phases listed in section 2:

R10	Flammable.
R11	Highly Flammable
R20/21	Harmful by inhalation and contact with skin.
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R48/20	Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: May cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

16) Other information

This Safety Data Sheet was compiled using the current safety information supplied by the distributors of the component materials.

To best of our knowledge the information contain herein is accurate. However, neither the above supplier assumes any liability whatsoever for the accuracy or completeness of the information herein

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be sued with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist