

01597-all codes except:
-1112 -1115 -1193 -1242 -1245
-1252 -1255 -1492 -1495 -4063
-4783 -4793

MATERIAL SAFETY DATA SHEET

Michael harding's artists oil colours

SERIES 1-6 (NON-TOXIC, NON HAZARDOUS, NON FLAMMABLE)

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION (A PREPARATION IS A MIXTURE OF SUBSTANCES) AND THE NAME OF THE SUPPLYING COMPANY.

PRODUCT NAME	Michael Harding's Artists Oil Colours
IDENTIFICATION NO.	Series 1: 101/102/103/109/110/112/113/114/115/116/117/118/ 119/ 120/121/122/123/124/125/126/127/ 128/129 Series2: 202/203/204/205/206/207/208/209/210/211/ 212/ 213/214/215/216/217/218/219/220/221/222 Series 3: 301/302/303/304/305 Series 4: 401/402/403/404/405 Series 5: 501/502/503/504/505/506/507/508 Series 6: 601/602/603
PRODUCT USE/CLASS	Oil Paint for Artists
UN-number	UN 3066
MANUFACTURER	Michael Harding's Artists Oil Colours Units 2-5 88 - 92 Mile End Road London (Whitechapel) E1 4UN
TELEPHONE (Information)	+44 774 869 1437 or +44 207 702 8338
PREPARER	Michael Harding
EMERGENCY TELEPHONE UK	+44 870 243 2241 (Poison Centre)

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Contains natural drying oils, organic and inorganic pigments and additives
 Shades 401/402/403/404/502/503/504/505 contain Cadmium; 506/507/508/601/602 contain Cobalt

See detailed list in Annex 1

3. HAZARDS IDENTIFICATION

Particular information pertaining specific risk for human/environment:
 The product does NOT require a hazard warning label in accordance with Directive 67/548/EC.
 The shades containing Cadmium or Cobalt contain a chemical known to the State of California to cause cancer // to cause cancer by means of inhalation.

No Hazardous ingredients.
 The product is not classed as flammable

FIRST AID MEASURES

After skin contact:	Normal use When in contact with the skin, clean with soap and water.
After eye contact:	In case of contact with eyes, rinse gently but thoroughly (10-15min) with plenty of water. If symptoms persist, seek medical advice.
Inhalation:	Not applicable
After ingestion:	Give water to drink. Do not induce vomiting. Seek medical advice immediately. No probable route of exposure

4. FIRE-FIGHTING MEASURES

Fire precautions: Keep cool

Suitable extinguishing media	ABC Carb Foam Water
Extinguishing media that must NOT be used for safety reasons	Water
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases	In the presence of fire, it may release toxic fumes (Sulphur dioxide, Carbon monoxide, Carbon dioxide)
Special protective equipment for firefighting	In case of fire, wear full protective equipment
Other Information	Fire may produce toxic fumes

5. ACCIDENTAL RELEASE MEASURES

Environmental precautions	Do not allow to enter waterways Dispose in accordance with regulations
Methods for cleaning up/taking up	Remove material from site

6. HANDLING AND STORAGE

Handling	Protect against fire and explosion. The product is not easily combustible, however it can burn. Do not spray apply the shades containing Cadmium, a chemical known to the state of California to cause cancer by means of inhalation.
In case of spilling	Absorb on inert substrate Place in suitable container for disposal
Storage	Cool and dry.
Waste disposal	According to local regulations Rags and absorbent materials should be immersed in water

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored: None

Personal protective equipment _____:

General Protective and Hygiene measures	Do not eat, drink or smoke during work time Avoid prolonged and/or repeated contact with skin Do not spray apply Wash hands/face immediately after use
Respiratory protection	Normally not needed
Ventilation	Normally not needed
Protective gloves / barrier cream to protect the skin	Normally not needed, but recommended Prolonged contact with skin may cause dermatitis.
Eye protection	Normally not needed Safety glasses if eye contact is likely
Other protective clothing or equipment	Normally not needed

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form	Pasty, Viscous
Colour	Depends on ingredients used (see section 2.)
Odour	Slightly aromatic

Safety Data:

Density	Value: 1,3 – 2,4 g/cm ³ Reference temperature: 20 °C
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Soluble in/ miscible with	White spirits in all proportions
Soluble in water	No
Reactivity in water	Non reactive
Flash Point	>230°C upper: n
Auto-ignition temperature	>300°C
Boiling Point	Not relevant
Melting Point	Not relevant
Vapor Pressure/Density	Not relevant

9. STABILITY AND REACTIVITY

Thermal decomposition:	Not applicable
Hazardous polymerization products	None
Stability	Stable under normal conditions
Incompatibility	Combustible materials

10. TOXICOLOGICAL INFORMATION

Sensitization evaluation: Non sensitizing

11. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

Biodegradability evaluation	Not relevant
Biodegradability remarks	The product is not biodegradable
Partially biodegradability (remark)	The product is not biodegradable
Slightly biodegradability (remark)	Pigments are not biodegradable
Fully biodegradability (remark)	The product is not biodegradable
CONCLUSION	NOT BIODEGRADABLE

12. DISPOSAL CONSIDERATIONS

Product EWC waste code: 080112 Colour and content

Packaging: emptied packaging can be recycled

13. TRANSPORT INFORMATION

The product does NOT constitute a hazardous substance in national/international road, rail, sea and air transport.(ADR/RID, AND/ADNR, IMDG/GGVSee, ICAO/IATA)

14. REGULATORY INFORMATION

Labeling in accordance with EC directives:

The product does NOT require a hazard warning label in accordance with EC Directives. The preparations mentioned in section 2 were classified in compliance with the directive known as 199/45/EC and its adaptations in addition directive 2004/73/EC with the 29^o adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account. These preparations are not classed as hazardous to health by directive 1999/45/EC. These products are not classed as flammable

Particular hazards associated with the preparation and safety recommendations:

S2	Keep out of reach of children
S23	Do not breathe gas/fumes/vapor/spray
S24	Avoid contact with skin
S62	If swallowed do not induce vomiting. Seek medical advice immediately and show this document

15. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our present state of knowledge and on national and community regulations. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

The product must not be used for any purposes other than those specified under section 1. without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

Date of printing: 24.10.2007

ANNEX 1

ITEM	NR.	COLOUR NAME	CHEMICAL
PIGMENTS	101	Titanium White 1	PW 6 Titan
	102	Titanium White 2	PW 4 Zinc
	103	Zinc White	PW 6 Titan
	109	Bright Yellow Lake	PW 4 Zinc
	110	Yellow lake	PW 4 Zinc
	112	Prussian Blue	PY 3 Di-ary
	113	Ultramarine Blue	PY 3 Di-ary
			PB27 Ferric
			PB29 Silica
			Aluminium
			Sulphur.
	114	Phthalocyanine Blue & Zinc White	PB 15.3 Ch
	115	Terre Verte	PW 4 Zinc
	116	Bright Green Lake	PG23 Natu
			PY 73 Di-ar
			PG 7 Phtah
	117	Unbleached Titanium Dioxide	PW6.1 Tita
	118	Yellow Ochre Deep	PY42 Sythe
	119	Yellow Ochre	PY42 Sythe
	120	Raw Sienna	PBr7 Natur
	121	Raw Umber	PBr6 Sythe
122	Venetian Red	PR101Syth	
123	Indian Red	PR101Syth	
124	Red Umber	PBr 6 Iron	
125	Burnt Sienna	PBr6 Sythe	
126	Burnt Umber	PBk9 Amor	
127	Paynes Grey	PB29 Silica	
		Aluminium	
		Sulphur	
		PY42 Iron	
128	Lamp Black	PBk6 Carbo	
129	Ivory Black	PBk9 Amor	
202	Yellow Lake Deep	PY 1.1 Di-a	
203	Indian Yellow	PY 83 Di-ar	
204	Indian Yellow Red Shade	PY 83 Di-ar	
205	Scarlet Lake	PR 101 Iron	
207	Brilliant Pink	PR 170 Nap	
		PR 209 & P	
		Zinc	
		Titanium V	
208	Ultramarine Violet	PV 15 Silica	
		and Sulphu	
209	Phthalocyanine Blue Lake	PB 15.3 Ch	
210	Phthalocyanine Turquoise	PB 15.3& F	
		PW 6&4 Ti	
		Zinc Oxide	
211	Kings Blue Light	PB 29 Silica	
		and Sulphu	
		Dioxide &	

212	Kings Blue Deep	PB 29 Silicate of Sodium, Aluminium and Sulphur & PW 6&4 Titanium Dioxide & Zinc Oxide	7429-90-5 7704-34-9 1314-13-2
213	Phthalocyanine Green Lake	PG 7 Chlorinated Copper	7440-50-8
214	Phthalocyanine Green Yellow Shade	PG 36 Brominated Chlorinated Copper	
215	Permanent Green Light	PG 36 Brominated Chlorinated Copper & PW 6&4 Titanium Dioxide & Zinc Oxide & PY 3 Di-arylamide	13463-67-7
216	Emerald Green	PG 7 Chlorinated Copper & PW 6&4 Titanium Dioxide & Zinc Oxide & PY 3 Di-arylamide	13463-67-7 1314-13-2
217	Permanent Sap Green	PG 7 Chlorinated Copper	
218	Naples Yellow	PBr 6 Iron Oxide PBr24 Titanium Antimony Chromium Oxide	1332-37-2 7440-36-0 1333-82-0
219	Transparent Oxide Yellow	PY42 Sythetic Iron Oxide	1309-37-1
220	Transparent Oxide Red	PR101 Sythetic Iron Oxide	1309-37-1
221	Crimson Lake	PR 149 Perylene	77392-71-3
222	Permanent Orange	PO 73 Pyrrol	45361-50-0
301	Napthol Red	PR 188 Napthol Azo	842-07-9
302	Alizarin Crimson	PR 83 Dihydroxyanthraquinone	65271-80-9
303	Magenta	PR 122 Quinacridone	87397-48-6
304	Manganese Violet	PV 16 Manganese Ammonium Pyrophosphate	14798-03-9 77392-71-3
305	Oxide of Chromium	Pg 17 Oxides of Chromium	196696-68-1
401	Cadmium Yellow Lemon	PY 35 Cadmium Sulphide	1306-23-6
402	Cadmium Yellow	PY 35 Cadmium Sulphide	1306-23-6
403	Cadmium Golden Yellow	PY 35 Cadmium Sulphide	1306-23-6
404	Cadmium Yellow Deep	PY 35 Cadmium Sulphide	1306-23-6
405	Viridian	PG 18 Chlorinated Oxide of Chromium	196696-68-1
501	Aureolin	PY 40 Cobalt Potassium Nitrate	7440-48-4 96193-83-8
502	Cadmium Orange	PO 20 Cadmium Sulphoselenide	1345-10-4
503	Cadmium Red Light	PR108 Cadmium Sulphoselenide	1345-10-4
504	Cadmium Red	PR108 Cadmium Sulphoselenide	1345-10-4
505	Cadmium Red Deep	PR108 Cadmium Sulphoselenide	1345-10-4
506	Cobalt Blue	PB 28 Oxides of Cobalt & Aluminium	1308-06-1
	Cobalt Turquoise Deep	PB 28 Oxides of Cobalt & Aluminium	7429-90-5
507	Cobalt Green Deep	PG 19 Oxides of Cobalt Zinc	1308-06-1 1314-13-2
508			
601	Cobalt Violet Light	PV 14 Cobalt Phosphate	137525-12-3
602	Cobalt Violet Dark	PV 14 Cobalt Phosphate	137525-12-3
603	Cerulean Blue	PB 35 Cobalt Stannate & Oxides of Tin	18282-10-5
OIL	(See tube)	Safflower Linseed Walnut	8001-23-8 90028-77-6 8024-09-7