

WATERBURY, CONNECTICUT SHEET

*M. Harding*

01597-1112	-1252
-1115	-1255
-1242	-1492
-1245	-1495

**LEAD WHITES (FOUNDATION WHITE/PAKE WHITE NO.1)/KREMKITZ WHITES**

**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, Artists Oil Colours
IDENTIFICATION NO.	Series 1: 106/100/107 Series 2: 201
PRODUCT USE/CLASS	Oil Paint for Professional Artists
PREPARER	Michael Harding
EMERGENCY TELEPHONE UK	44 (0) 74 862 1437 or 44 207 702 8338
EMERGENCY TELEPHONE EU	44 (0) 74 862 1437 or 44 207 702 8338
EMERGENCY TELEPHONE US	1-800-232-1232 (Prison Camp)
UN-number	UN 2291 (Lead White)
MANUFACTURER	Michael Harding, Artists Oil Colours Units 2-5 88-92 Mile End Road London (Whitechapel) E1 4JH
TELEPHONE (International)	44 (0) 74 862 1437 or 44 207 702 8338
EMERGENCY TELEPHONE UK	44 (0) 74 862 1437 or 44 207 702 8338
EMERGENCY TELEPHONE EU	44 (0) 74 862 1437 or 44 207 702 8338
EMERGENCY TELEPHONE US	1-800-232-1232 (Prison Camp)

**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

Product	Ingredient	CAS No.	EMECIS No.	Classification	REL/TIV (mg/kg)	HTP/AAC
Lead White	Lead Carbonate	598-63-0		T: R30/23; R33; R50/53; 0/05	N/A	N/A
Oil (See label)	Safflower Unrefined	R001 238 8 R001 76 1		R51; R62	N/A	N/A

HTP = Promotional Exposure Limit  
AAC = Annual Allowance  
TV = Theoretical Value  
NTP = National Toxicology Program USA  
AAC = International Agency for research on Cancer

The full text for all phrases are displayed in sections 3

**3. HAZARDS POSSIBILITIES**

Particular information pertaining specific risk for human/animal environment:  
**HAZARD SYMBOLS:**

**T** Toxic  
**N** Dangerous for the environment

R61	May cause harm to the unborn child
R62	Possible risk of impaired fertility
R63	Danger of cumulative effects
R607.2	Harmful by inhalation (powder) and if swallowed
R50/53	Very toxic to aquatic organisms may cause long term adverse effects in the aquatic environment
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
H363D	You may be able to prevent foetal damage
S12	Keep locked up and out of reach of children
S15	Dispose of the material and its container in accordance with special waste collection point

No animal fire or explosion hazards noted.

**4. FIRST AID MEASURES**

After skin contact:	Normal use
After eye contact:	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. If irritation, consult a physician.
After eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention.
Inhalation (powder):	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Do not use mouth-to-mouth resuscitation. Loosen tight clothing/clothes. Lay the victim on his/her left side.
After ingestion:	Keep the victim warm. Never make an unconscious person vomit or drink fluids. No NOT induce vomiting. Get medical attention immediately. Show the packaging or label to physician.

**5. FIRE-FIGHTING MEASURES**

Fire precautions:	Keep cool. The substances are NOT combustible, but they will burn. Extinguish surrounding fire ASAP.
Substance extinguishing media	AAC powder/Carbon dioxide/Sand/Drychem/foam Water spray, fog or mist
Special fire-fighting procedures	Keep non-self water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Major spill/leak from fire area (it can be done without risk if risk of water pollution occurs, notify appropriate authorities. Conduct runoff to prevent environmental pollution.
Unusual fire & explosion hazards	No unusual fire or explosion hazards noticed.
Special exposure hazards arising from the substance or preparation itself. Its combination products or from resulting gases	In the event of fire the following gases can be released: Potassium metal oxide-/Carbon dioxide (CO2) Carbon monoxide (CO) (leak) fumes from fire are hazardous. Barium chloride is considered an oxidizing agent which may accelerate combustion.
Special protective equipment for firefighting	In case of combustion use a suitable equipment. Fire-fighters must wear full face self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fire residues must be disposed of in a proper manner. Do not discharge into the subsurface. Do not allow to enter drains or waterways. Content contaminated water/fire-fighting water
Other information	

**6. ACCIDENTAL RELEASE MEASURES**

Environmental precautions	Do not allow to enter drains or waterways. Dispose in accordance with federal, state and local regulations.
Methods for dealing with spillage	Keep combustible away from spill. Maintain ventilation and control spill. Do not allow runoff to sewers. Absorb in vermiculite, dry sand or earth and place into closed containers. Label adequately. Wash thoroughly after dealing with a spillage. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

<b>Handling</b>	Protect against fire and explosion. The product is not easily combustible, however it can burn. Do not leave containers open. Do NOT spray apply. Avoid spilling. Avoid skin and eye contact. Wear full protective clothing for prolonged exposure and/or high concentrations.
<b>In case of spilling</b>	Prevent or limit spreading. Do NOT handle these products. Absorb on inert substrate. Place in suitable container for disposal.
<b>Storage</b>	Keep only in the original container. Cool and dry in ventilated storage and closed containers. Do not store together with foodstuffs. Do not store together with animal feed stocks. Recommended storage temperature: 15-25°C.
<b>Waste disposal</b>	According to local regulations. Bags and absorbent materials should be immersed in water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored: None

<b>Ingredient</b>	STD	LEL/ER Blms
<b>Basic Lead Carbonate</b>	OSHA/DEJ Occupational Exposure Standard	0.16 as Pb mg/m <sup>3</sup>

Personal protective equipment:

<b>General Protective and Hygiene measures</b>	Do not eat, drink or smoke during work time. Avoid contact with skin. Do not spray apply. Wash hands/face immediately after use.
<b>Respiratory protection</b>	Normally not needed.
<b>Ventilation</b>	Yes.
<b>Protective gloves / barrier cream to protect the skin</b>	Yes. Use suitable protective gloves, made of rubber/plastic.
<b>Eye protection</b>	Normally not needed.
<b>Other protective clothing or equipment</b>	Safety glasses if eye contact is likely. Wear appropriate clothing to prevent, repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

<b>Form</b>	Pasty
<b>Colour</b>	White
<b>Odour</b>	Odourless

Safety Data:

<b>Density</b>	Value: 1.5 g/cm <sup>3</sup>	<b>Reactivity in water</b>	emulsion
<b>Reference Temp.</b>	20 °C		
<b>Soluble by miscible with acids</b>	White - splits in all proportions	<b>Flash Point</b>	>200°C
<b>Soluble in water</b>	emulsion	<b>Auto-ignition</b>	>200°C
<b>PH concentration</b>	10%	<b>Boiling Point</b>	Not relevant
		<b>PH value</b>	8-9

10. STABILITY AND REACTIVITY

<b>Thermal decomposition:</b>	Thermal decomposition starting at ca. 315 °C, setting fire of lead oxide.
<b>Hazardous polymerization products</b>	None
<b>Stability</b>	Stable under normal storage conditions
<b>Incompatibility</b>	Combustible matter e.g. carbon waste

Conditions/materials to avoid: Heat/strong acids

11. TOXICOLOGICAL INFORMATION

<b>HAZARDOUS</b>	Harmful if swallowed
<b>SKIN</b>	Non-irritant
<b>DT50</b>	Non-irritant
<b>CHRONICAL TOXIC</b>	Lead components are practically insoluble. However, gastric fluid dissolves small quantities of lead which might accumulate in parts of the human body. Reason of long-term intake of lead compounds, the bio-chemical synthesis of haemoglobin and nerve transmission may be affected irreversibly.
<b>ROUTE OF ENTRY</b>	Ingestion
<b>MEDICAL SYMPTOMS</b>	Upper respiratory irritation. Nausea, vomiting, diarrhoea.
<b>MEDICAL CONSEQUENCES</b>	Skin disorders and allergies.

Acute Toxicity, LD50 : > 10.000 mg/kg (rat, oral) Source: literature value

12. ECOLOGICAL INFORMATION

Details for elimination: Inorganic water soluble product. Can be separated in water water treatment plants by filtration and/or sedimentation. Highly alkaline or acidic liquids may dissolve Pb. For total elimination from aqueous media, chemical flocculation is required. Due to Pb, any discharge into environment has to be avoided.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local Authority requirements. Absorb in vermiculite or dry sand, dispose in licensed special waste.

14. TRANSPORT INFORMATION

Compliance: No Hazardous Goods for Transport. Label for Composites:

<b>UN No. (Road/Sea/Air)</b>	2201	<b>IMDG Page No.</b>	6170
<b>CLASS NO.</b>	01	<b>IMDG Packing No.</b>	III
<b>CLASS</b>	Toxic substances	<b>ENS No.</b>	6134
<b>ADR TRM No.</b>	62	<b>MFRS TANK No.</b>	110
<b>HASCHER CODE</b>	Z2	<b>MARINE POLYMER</b>	NO
<b>PROPER SHIPPING NAME</b>	Lead compound, variable	<b>AM PRACTICE</b>	III

15. REGULATORY INFORMATION

Label for supply:  
Risk Phrases and Safety Phrases see section 3  
Labelling in accordance to EC Directive „The Classification, Packaging and Labelling of Dangerous Substances“; not required

16. 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: 29.02.2008

