

**LEAD WHITES (FOUNDATION WHITE/FLAKE WHITE NO.1/CREMNITZ WHITE)**
**1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION (A PREPARATION IS A MIXTURE OF SUBSTANCES) AND THE NAME OF THE SUPPLYING COMPANY.**

<b>PRODUCT NAME</b>	Michael Harding's Artists Oil Colours
<b>IDENTIFICATION NO.</b>	Series1 : 104/105/106/107/131 Series2: 201
<b>PRODUCT USE/CLASS</b>	<p><b>Oil Paint for Professional Artists</b></p> <p>The Environmental Protection (Controls on Injurious Substances) Regulations 1992 control the marketing and use of lead paint (containing white lead) in the UK. The Regulations allow restricted use of lead paint in accordance with the European Marketing and Use Directive (89/677/EEC).</p> <p>The derogation does <b>allow the use of lead in artists' paints and specialist hobby paints</b>. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 make it a requirement that the paint supplier labels the product packaging and provides a safety data sheet. <b>Users of these paint products must comply with the Control of Lead at Work Regulations 2002.</b></p> <p>Flake white is an oil colour which some adult artists feel is essential and for which there is no substitute. Because of this fact, <b>flake white was exempted from the ban on lead in paint under the U.S. Consumer Product Safety Act.</b></p>
<b>MANUFACTURER</b>	Michael Harding's Artists Oil Colours 36 Springvale Industrial Estate Cwmbran NP44 5BD UK
<b>TELEPHONE (information)</b>	+00 197 854 940 29 or +44 (0)1633484700
<b>PREPARER</b>	Michael Harding
<b>EMERGENCY TELEPHONE UK</b>	00 197 854 94029 Michael Harding
<b>EMERGENCY TELEPHONE EU</b>	<a href="http://www.who.int/ipcs/poisons/centre/directory/euro/en/">http://www.who.int/ipcs/poisons/centre/directory/euro/en/</a>
<b>EMERGENCY TELEPHONE US</b>	1-800-222-1222 (Poison Centre)

**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

Product	Ingredient	CAS No.	EINECS Nr.	Classification	PEL/TLV (mg/mj)	NTP/I ARC
Lead white	Lead Carbonate	598-63-0	215-290-6	T, R20/22,R33,R50/53, R61, R62	0.05	N/N
Oil (See label)	Safflower	8001-23-8	232-276-5	N/A	N/A	N/N
	Linseed	8001-26-1	232-278-6			

PEL = Permissible Exposure Limit  
TLV = Threshold Limit Value

NTP = National Toxicology Program USA  
IARC = International Agency for research on Cancer

The full text for all R-Phrases are displayed in section 3

**3. HAZARDS POSSIBILITIES**

Particular information pertaining specific risk for human/environment:

Hazard symbols:

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

R61	May cause harm to the unborn child
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R62	Possible risk of impaired fertility
R33	Danger of cumulative effects
R20/22	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)
R36/37	Wear suitable protective clothing and gloves
S1/2	Keep locked up and out of reach of children
S45	Dispose of this material and its container to hazardous or special waste collection point

No unusual fire or explosion hazards noted.

**4. FIRST AID MEASURES**

	Normal use
<b>After skin contact:</b>	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.
<b>After eye contact:</b>	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
<b>Inhalation (powder):</b>	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/collar. Lay the victim on his/her left side. Keep the victim warm.
<b>After ingestion:</b>	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 NON combustible, but they will burn.  
Extinguish surrounding fire ASAP.

<b>Suitable extinguishing media</b>	ABC powder/Carbon dioxide/Sand, Dolomite/Foam Water spray, fog or mist
<b>Special Fire fighting procedures</b>	Keep run-off 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. Move container from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities. Isolate runoff to prevent environmental pollution.
<b>Unusual fire &amp; Explosion hazards</b>	No unusual fire or explosion hazards noticed
<b>Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases</b>	<b>In the event of fire the following gases can be released:</b> Poisonous metal oxides/Carbon dioxide (CO2) Carbon monoxide (CO) (Lead). <b>Fumes from fire are hazardous.</b> Barium chromate is considered an oxidizing agent which may accelerate combustion.
<b>Special protective equipment for firefighting</b>	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.
<b>Other information</b>	Fire residues must be disposed of in a proper manner. Do not discharge into the subsoil/soil Do not allow to enter drains or waterways Contain contaminated water/firefighting water

**6. ACCIDENTAL RELEASE MEASURES**

<b>Environmental precautions</b>	Do not allow to enter drains or waterways Dispose in accordance with federal, state and local regulations.
<b>Methods for cleaning up/taking up</b>	Keep combustibles away from spilled material. Provide ventilation and confine spill. Do not allow runoff to sewer. 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>Pregnant or breastfeeding women must NOT handle these products.</b>
<b>In case of spilling</b>	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 Rags and absorbent materials should be immersed in water

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored: None

Ingredient	STD	LT EXP 8Hrs
Basic Lead Carbonate	OSHA/ OES (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 Safety glasses if eye contact is likely
<b>Other protective clothing or equipment</b>	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>	Odorless

Safety Data:

<b>Density Reference Temp.</b>	Value: 3,5 g/cm <sup>3</sup> 20 °C	<b>Reactivity in water</b>	emulsion
<b>Soluble in/ miscible with</b>	White spirits in all proportions + acids	<b>Flash Point</b>	>200°C
<b>Soluble in water</b>	emulsion	<b>Auto-ignition</b>	>300°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 free of lead oxide.
<b>Hazardous polymerization products</b>	None
<b>Stability</b>	Stable under normal storage conditions
<b>Incompatibility</b>	Combustible matter e.g. cotton waste
<b>Conditions/materials to avoid</b>	Heat/strong acids

## 11. TOXICOLOGICAL INFORMATION

<b>INGESTION</b>	Harmful if swallowed
<b>SKIN</b>	Non irritant
<b>EYES</b>	Non irritant
<b>CHRONICAL TOXITY</b>	Lead components are practically insoluble. However, gastric fluid dissolves small quantities of lead which might accumulate in parts of the human body. Following long-term intake of lead compounds, the bio synthesis of Hemoglobin and nerve transmission may be affected irreversibly.
<b>ROUTE OF ENTRY</b>	Ingestion
<b>MEDICAL SYMPTOMS</b>	Upper respiratory irritation. Nausea, vomiting, allergic rash
<b>MEDICAL CONSIDERATIONS</b>	Skin disorders and allergies

Acute Toxicity: LD50 :> 1000mg/kg test Species : rat (oral) Source: literature value

## 12. ECOLOGICAL INFORMATION

Details for elimination: Inorganic, water soluble product. Can be separated in waste 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

Conclusion: No Hazardous goods for transport. Label for Conveyance:

**"The product does NOT constitute a hazardous/international road, rail, sea and air transport. (ADR/RID, AND/ADNR, IMDG/GGVSEE, ICAO/IATA). No restrictive Department of Transportation requirements; not hazardous for shipping.**

## 15. REGULATORY INFORMATION

Label for supply:

Risk Phrases and Safety Phrases see section 3

Labelling in accordance to EEC-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.

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