

FIRST AID MEASURES

	Normal use	Chronic exposure (abnormal use)
After skin contact:	When in contact with the skin, clean with soap and water.	May cause mild irritation, allergic skin rashes, itchiness, eczema Protect with gloves
After eye contact:	In case of contact with eyes, rinse gently but thoroughly (15-20min) with plenty of water. If symptoms persist, seek medical advice.	Irritating to the eyes. Pain, redness and blurred vision.
Inhalation:	Get out into fresh air. Keep the person warm and at rest. If breathing is irregular or stopped, give artificial respiration, but NOT by mouth. If unconscious, place in recovery position and seek medical advice.	May cause respiration allergies, shortness of breath, easy fatigability and chest pain. Nausea, headache, confusion or instability.
After ingestion:	Give water to drink. Do not induce vomiting. Seek urgent medical advice immediately, and show the packaging/label. No probable route of exposure	If large quantities are ingested, it may cause lung damage, nausea, abdominal pains and diarrhea.

4. FIRE-FIGHTING MEASURES

Fire precautions: Keep cool
When on fire: Allow containers to cool in order to avoid product decomposition and generation of substances which might injure the health and be dangerous for safety reasons. Wear fire equipment all the time.

Suitable extinguishing media	ABC powder Carbon dioxide Foam
Extinguishing media that must NOT be used for safety reasons	Water or water spray/jet
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases	In the event of fire the following can be released: Carbon dioxide (CO ₂) Carbon monoxide (CO) And other decomposition products of undetermined hazard.
Special protective equipment for firefighting	In case of combustion use a full face, self contained breathing apparatus and appropriate protective clothing.
Other information	Fire residues must be disposed of in a proper manner.

5. ACCIDENTAL RELEASE MEASURES

Environmental precautions	Do not allow to enter drains or waterways Dispose in accordance with federal, state and local regulations. Keep away from sources of ignition.
Methods for cleaning up/taking up	Small quantities may be cleaned up with rags or paper towels then soaked with water and transferred to airtight containers for disposal.

MATERIAL SAFETY DATA SHEET

Michael Harding's artists oil painting mediums and varnishes

PM1-6, V1-2

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 Painting Mediums
IDENTIFICATION NO.	<u>Mediums:</u> PM1/PM2/PM3/PM4/PM5/PM6 <u>Varnishes:</u> V1/V2
PRODUCT USE/CLASS	Oil Painting mediums for Artists
UN-number	UN 1263
MANUFACTURER	Michael Harding's Artists Oil Colours 44 Springvale Industrial Estate Cwmbran NP44 5BB UK
TELEPHONE (information)	+44 774 869 1437 or +44 (0)1633484700
PREPARER	Michael Harding
EMERGENCY TELEPHONE UK	+44 870 243 2241 (Poison Centre)

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Contains combinations of natural drying oils with:

Product name	Cas No.	Ec. No.	Symbol	Risk Phrases
Turpentine oils	. 8006-64-2	232-350-7	Xn, N	R10, R20/21/22, R36/38, R43, R51/53, R65

Natural resins:	9000-16-2	
Beeswax:	8012-89-3	232-383-7

In PM2 only :

0.9% Fatty acids:	68409-18-4	270-066-5	Xn	R22, R38
0.9% Naphtha Petroleum	64742-48-9	265-150-3	Xn, Xi	R10, R65, R38, R51/53
0.2% Dpropylene Glycol Mythyl Ether	Cas. No. 34590-94-8	Ec.No. 252-104-2		Not classified

3. HAZARDS IDENTIFICATION

Particular information pertaining specific risk for human/environment:

Flammable product. Repeated exposure may cause skin dryness or cracking. Harmful if swallowed and by inhalation. Irritation to the eyes and skin. May cause long term adverse effects in the aquatic environment

	Remove larger quantities mechanically. Pick up rest with binding material (eg. Sawdust, sand, universal binder)
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6. HANDLING AND STORAGE

Handling	Avoid prolonged contact with skin and ingestion. Wash hands immediately after use. Avoid breathing vapors. Use exhaust fan to remove vapors and assure adequate ventilation. Do not transfer content to unlabeled containers. Keep out of reach of children. Keep from sources of ignition, oxidizing materials, heat and flame. No smoking in areas of use or storage.
In case of spilling	Absorb on inert substrate Place in suitable container for disposal
Storage	Cool and dry. Keep containers closed when not in use. Keep from sources of ignition, oxidizing materials, heat and flame. Keep out of reach of children.
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: 100PPM ACGIH TLV (US threshold limit value)

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	If TLV is exceeded, vapor respiratory protection should be worn.
Ventilation	Use exhaust fan to remove vapors and assure adequate ventilation.
Protective gloves / barrier cream to protect the skin	Recommended. Prolonged contact with skin may cause dermatitis.
Eye protection	We recommend chemical splash goggles with side shields.
Other protective clothing or equipment	Body protection suitable for the work environment.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form	Liquid or paste (PM4 and V2)
Colour	Light clear yellow to amber colored liquid, purple liquid (PM2), white paste (PM4, V2)
Odour	Typical pine derivative or turpentine odour.

Safety Data:

Soluble in/ miscible with	White spirits, petroleum
Soluble in water	No
Reactivity in water	Non reactive
Flash Point	>33°C
Auto-ignition temperature	>253°C
Boiling Point	155-165
Melting Point	Not applicable
Vapor Pressure/Density	4mg Hg

9. STABILITY AND REACTIVITY

Thermal decomposition:	Not applicable
Hazardous decomposition products	In fire, emits oxides of carbon and acrid smoke. Sulphur oxides may also be produced in the case of Sulphate Turpentine.
Stability	Stable under normal storage conditions
Incompatibility	Heat and sources of ignition. Strong oxidizing agents, acids or acidic materials.

10. TOXICOLOGICAL INFORMATION

Acute Toxicity: FLAMMABLE. Harmful or fatal if swallowed. Vapor harmful.

Chronic Toxicity: Overexposure may result in nausea, headache, confusion or instability. May cause allergic reaction.

11. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

Biodegradability evaluation	Not readily degradable
Biodegradability remarks	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Do not allow product to reach ground water, water bodies or sewage systems.

12. DISPOSAL CONSIDERATIONS

Product EWC waste code: 080112 Paints and varnishes

Packaging: emptied packaging can be recycled

13. TRANSPORT INFORMATION

Transport only in accordance with ADR/ORM-D for roads, RID for Rail, IMDG for sea and ICAO/IATA for air transport.

Class 3 - Identification no. UN1263 Paint related material PGIII Limited Quantity

14. REGULATORY INFORMATION

Labeling in accordance with EC directives (The Chemicals Regulations 2002):

The product carries the label: FLAMMABLE

Particular hazards associated with the preparation and safety recommendations:

S2	Keep out of reach of children
S13	Keep away from food, drink, animal feeding stuffs.
S16	Keep away from sources of ignition – no smoking
S23	Do not breathe gas/fumes/vapor/spray
S24/25	Avoid contact with skin and eyes
S29	Do not empty into drains
S36/37	Wear suitable protective clothing and gloves
S62	If swallowed do not induce vomiting. Seek medical advice immediately and show this document

R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R36/38	Irritating to eyes and skin
R43	May cause sensitization by skin contact
R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
R65	Harmful, may cause lung damage if swallowed

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.

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