

MICHAEL HARDING ARTIST OIL COLORS

COLORS CONTAINING MERCURY COMPOUND

1. Identification of the Preparation and of The Company

MICHAEL HARDING ARTIST OIL COLORS - COLORS CONTAINING MERCURY

Product Name and/or code: COMPOUND Effective Date: 1-Jun-15

Manufacturer: Michael Harding Art Formulas Ltd

> Unit K Springvale Industrial Estate Cwmbran, Torfaen NP44 5BE, Wales

Information Contact: North America: 978-549-4029

UK/Europe: 44 (0) 1633 - 484-700

Emergency Contact: Contact your local Poison Control Center Product Use: **ART MATERIAL - Consumer Product**

2. Hazards Identification

Information pertaining to particular dangers

for man and environment.

This product has been classified as dangerous according to OSHA Hazard

Communication Standard (29 CFR 1910.1200)

Emergency Overview

WARNING! MAY CAUSE DAMAGE TO KIDNEY THROUGH PROLONGED OR REPEATED EXPOSURE.

Label Elements

Pictograms

Conforms to ASTM D-4236

GHS 07

Signal Word WARNING!

Hazard Statement MAY CAUSE DAMAGE TO KIDNEY THROUGH PROLONGED OR REPEATED.

> EXPOSURE. May cause central nervous system effects. May cause mercury poisoning. Contact may cause eye and skin irritation.

Precaution Statement Do not apply heat. Do not eat. Wash hands and face before eating or

smoking. Ensure fresh air entry during application and drying. Avoid dust

or prolonged or repeated skin contact.

KEEP OUT OF REACH OF CHILDREN. Children's Statement

Classification of the Product:

Health 2 - May be harmful if inhaled or absorbed **NFPA**

Flammability 1 - Combustible if heated

Reactivity 0 - Stable

HMIS Health 2 - Moderate Hazard

Flammability 1 -Slight Hazard

Physical Hazard 0 - Minimal Hazard

Regulation (EC) No. 1272/2008 Mercury compounds are classified in the Annex I of the regulation.

Export and Import of Dangerous Chemicals

Regulation (EC)No. 649/2012

This product and its ingredients are listed in the Annex I of the regulation.

Directive 67/548/EEC & Directive 1999/45/EC Mercury sulfide (CAS: 1344-48-5) H317, P261, P272, P280, P302+P352,

P333+P313, P363, P501



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3. Composition/Information on Ingredients:

Substances:

The various products listed under Section 16 contain non- hazardous natural drying oils, organic and inorganic pigments, additives.

Hazardous Ingredients

Mercury sulfide (CAS: 1344-48-5) ----- 50.00% - 90.00%

Risk and Safety Phrases:

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and according to DSD (Dangerous Substances Directive (67/548/EEC)) and DPD (Dangerous Preparations Directive (1999/45/EC)). These ingredients are regarded as trade secrets.

4. First Aid Measures				
Inhalation	Supply fresh air. If required, provide artificial respiration. Consult with a			
Skin Contact	Remove any contaminated clothing. Wash affected area immediately			
	with water and soap and rinse thoroughly. If irritation persists, see a			
	physician.			
Eye Contact	Flush area with water, lifting the upper and lower lids until no evidence of			
	product remains. Get medical attention. Do not wear contact lenses while			
	handling.			
Ingestion	If swallowed, call physician immediately			
	5. Firefighting Measures			
Extinguishing Media	Water, foam, carbon dioxide or dry chemical equipment.			
Fire/Explosion Hazards	This product is not known to present any fire hazard.			
Flashpoint/Flammability	This product is not known to be combustible, but as a precaution keep			
	product in cool place.			
6	. Accidental Release Measures			
Environmental precautions	No product should be released to the environment without due care.			
Methods and Materials for Containment and	Contain spill. Recover as much as possible with sand, soil or similar			
Cleaning up	product. Place into closed container and store in a safe location to await			
	disposal. Wash the spill area with soap and water.			
	7. Handling and Storage			
Safe Handling	Use under ventilated conditions. Avoid eye contact. For personal			
	protection, we recommend that employees wash thoroughly after			
	handling product. Always wash before eating, smoking or using toilet			
	facilities. Keep container closed when not in use.			
Ctorago	Keep the sample in a cool dry ventilated area. Keep away from fire and			
Storage				
Storage	heating sources.			

Personal Protective Equipment

Wear safety goggles and protective gloves to avoid dust contact.

Exposure Limits



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Components with workplace control parameters

Components with workplace control parameters							
Component	CAS-No.	Value	Control	Basis			
			parameters				
Mercury(II) sulfide	1344-48-5	TWA	0.025000	USA. ACGIH Threshold Limit Values			
			mg/m3	(TLV)			
	Remarks	Central Nervous System impairment					
		Kidney damage					
		Substances for which there is a Biological Exposure Index or Indices					
		(see BEI® section)					
		Not classifiable as a human carcinogen					
		Danger of cutaneous absorption					
		varies					
		TWA	0.050000	USA. NIOSH Recommended			
			mg/m3	Exposure Limits			
		Potential for dermal absorption					
		С	0.100000	USA. NIOSH Recommended			
			mg/m3	Exposure Limits			

Respiratory and Ventilation

Skin Protection

Wear approved NIOSH/MSHA respirator if exposure to mist or vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34. Local ventilation may be used to prevent routine inhalation.

Handle with non-porous nitrile gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full Contact Material: Nitrile rubber

Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash protection Material: Nitrile rubber

Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-

mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Safety glasses conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Eye Protection



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O. Dhysical and Chamical Dyanoutics					
	9. Physical and Chemical Properties				
Appearance	Viscous colored oil paints				
Physical State	Solid - Paste				
Color	See product list in Section 16				
Odor	Slightly aromatic.				
Boiling Point	Greater than 100°C/ 212°FGreater than 100°C/ 212°FGreater than 100°C/				
	212°FGreater than 100°C/ 212°FGreater than 100°C/ 212°FGreater than				
	100°C/ 212°F				
Freezing Point	Not applicable				
State (pH)	8.5 - 9.2				
Specific Gravity	1.0 - 2.0				
Viscosity	Not determined (Viscous material)				
Flashpoint	Greater than 230°C/ 446°F				
Vapor Pressure	Not applicable				
Vapor Density	Not applicable				
Solubility in water	Not miscible				
	10. Stability and Reactivity				
Reactivity:	Reaction with reducing agents.				
Chemical Stability	Stable				
Conditions to Avoid	Keep away from heat, sparks and flame.				
Incompatible materials	Combustible material (eg. Cotton)				
Hazardous Decomposition Products	No information available.				
	11. Toxicological Information				
Health Effects	Studies have not been performed on this particular mixture. The				
	information below is based on data on the individual ingredients.				
Oral	Expected to be greater than 2,000 mg/kg (rats)				
Ingestion	Nausea, vomiting and abdominal pain.				
Inhalation	Do not spray apply!				
Dermal	May cause irritation				
Eye Effects	May cause irritation				
12. Ecological Information					
Toxicity:	Very toxic to aquatic organisms.				
Aquatic toxicity	Very toxic to aquatic organisms.				
Persistence and degradability	A mixture of biodegradable and non biodegrable ingredients. No other				
	information is available.				
Bio accumulative potential	Not expected to bioaccumulate significantly.				
Mobility in soil	The product has poor water-solubility.				
Additional ecological information	No information available.				
	13. Disposal Considerations				
	•				

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Contact specialist disposal companies. Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.



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14. Transport Information

The following transportation categories do not apply to this mixture sold as a consumer use product (non-bulk). The data below refers to the major component of the formulation, Mercury sulfide.

DOT Non-Bulk

Shipping Name Mercury compound, n.o.s. (Mercury Sulfide) **Technical Shipping Name** Mercury compound, n.o.s. (Mercury Sulfide)

Hazard Class 6.1 Poisonous material

UN Number UN 2025

Packing Group Ш

IMDG

Shipping Name Mercury compound, n.o.s. (Mercury Sulfide) **Technical Shipping Name** Mercury compound, n.o.s. (Mercury Sulfide)

Hazard Class 6.1 Poisonous material

UN Number UN 2025

Packing Group Ш Marine Pollutant Yes

ICAO/IATA

Shipping Name Mercury compound, n.o.s. (Mercury Sulfide) **Technical Shipping Name** Mercury compound, n.o.s. (Mercury Sulfide)

Hazard Class 6.1 Poisonous material

UN Number UN 2025 Packing Group Ш

Michael Harding Art Materials Ltd. are IATA certified through the UK CAA.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the materials.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Not applicable SARA Section 355 (extremely hazardous Not applicable

substances)

Section 313 (Specific toxic chemical listing) Not applicable

TSCA (Toxic Substance Control Act) All ingredients are listed.

The Safe Drinking Water and Toxic As of June 1, 2015 this product contains chemicals known to the State of

Enforcement Act of 1986 - California California to cause birth defects or other reproductive harm.

Proposition 65

Chemicals known to cause cancer None of the ingredients are listed as of 6/1/15. None of the ingredients are listed as of 6/1/15. Chemicals known to cause reproductive

toxicity for females

Chemicals known to cause reproductive None of the ingredients are listed as of 6/1/15. toxicity for males



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Chemicals known to cause developmental

toxicity

Mercury sulfide

Carcinogenicity categories

EPA (Environmental Protection Agency)

TLV (Threshold Limit Value established by ACGIH)

Not applicable to this mixture. Not applicable to this mixture.

MAK (German Maximum Workplace

Concentration)

Not applicable to this mixture.

NOISH-Ca (National Institute for Occupational Not applicable to this mixture.

Safety & Health)

OSHA-Ca (Occupational Safety & Health

Not applicable to this mixture.

Administration)

16. Other Information

Product Number and Color Name	Pigment Identification
701 Genuine Chinese Vermillion	PR 106 Mercuric Sulphide

Hazard statement(s)

H317 May cause an allergic skin reaction.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/ protective clothing/ eye protection/ face P280

protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

Wash contaminated clothing before reuse. P363

P501 Dispose of contents/ container to an approved waste disposal plant.

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