SAFETY DATA SHEET – Hazardous Watercolours

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Product Name: Jackman's Art Materials Finest Professional Watercolour

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Product use: ART MATERIAL - CONSUMER PRODUCT. Artist professional products, pigment dispersions and mediums. For application with brush to a substrate. Not intended for spray application, sanding, or other operations which generate dust or airborne concentrations.

1.3 Details of the supplier of the safety data sheet:

Company:
Jackman's Art Materials
12 Gerrard Crescent
Kegworth
Derbyshire
DE74 2HQ

1.4 Emergency telephone number:

United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

Poison Control Center 800-822-1222 (USA)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the Product:
Label Elements

Conforms to ASTM D-4236

Hazard Pictograms

Signal Word: WARNING!

Hazard Statement: Colours containing Cadmium and Cadmium compounds (Pigment mixture): Cancer hazard. The dried film of this paint may be harmful if eaten or chewed. Harmful if swallowed.

Colours containing Cobalt and Cobalt compounds (Pigment mixture): Cancer hazard. The dried film of this paint may be harmful if eaten or chewed. Harmful if ingested.

Colours containing Nickel and Nickel compounds (Pigment mixture): May cause skin irritation and allergic reaction.

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	Colours containing Lead and Lead compounds (Pigment mixture): Cancer and developmental hazard. The dried film of this paint may be harmful if eaten or chewed.
Precaution Statement: thoroughly after handling.	Do not ingest. Do not spray apply. Do not sand dry film. Wash
Children's Statement	KEEP OUT OF THE REACH OF CHILDREN.
NFPA	
	Health: 3 --> Cadmium, Lead. 2 --> Cobalt, Chromium, Nickel. Flammability: 0 Reactivity: 0
HMIS	
	Health: 2 Flammability: 0 Physical Hazard: 0

Cadmium Compounds: May cause cancer (H330); Causes damage to organs through prolonged or repeated exposure (H372); Suspected of causing genetic effects (H341); Suspected of damaging fertility or the unborn child
(H361); May cause respiratory irritation (H335); Toxic if swallowed (H301); Very toxic to aquatic life with long lasting effects (H410).

Cobalt Compounds: May cause cancer by inhalation (H350); May cause an allergic reaction (H317); May cause allergic or asthma symptoms or breathing difficulties if inhaled (H334); May cause long-lasting harmful effects to aquatic life (H413).

Nickel Compounds: Suspected of causing cancer (H351); May cause an allergic reaction (H317); May cause an
allergic or asthma symptoms or breathing difficulties if inhaled (H334); Harmful to aquatic life with long-lasting effects (H412).

Lead Compounds: May cause cancer (H330); May cause harm to breast-fed children (H362); May damage fertility or the unborn child (H360FD); Causes damage to organs through prolonged or repeated exposure (H372); Suspected of causing genetic effects (H341); Toxic if swallowed (H301); Harmful if swallowed or if inhaled (H302+H332); Very toxic to aquatic life with long-lasting effects (H410).

Obtain special instructions before use. (P201)
Avoid breathing dust/fumes/gas/mist/vapours/spray. (P201)

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Mixture of the following chemicals: Proprietary Ingredients (Mixture) < 99%
Proprietary Pigment (Mixture) < 40%
Proprietary Cobalt Pigment (Mixture) < 60%
Proprietary Cadmium Pigment (Mixture) < 60 %
Proprietary Nickel Pigment (Mixture) < 25%
Lead (Mixture) - < 60 %

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Skin contact: Wash skin with plenty of soap and water. Seek doctor if irritation persist.

Eye contact: Remove contact lenses. Flush eyes with plenty of water for several minutes. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Water spray, dry chemical, carbon dioxide (CO2) or chemical foam.

Unsuitable extinguishing media:
Water jets should not be used, since they can spread the fire.

This product is not known to present any fire hazard.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
See section 8 for personal protection.
Avoid contact with skin and eyes

6.2 Environmental precautions:
Avoid spills to the environment.

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6.3 Methods and material for containment and cleaning up:
wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections:
See section 8 for information on personal protection equipment.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:
See section 8 for personal protection.
Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities:
Container must be kept tightly closed when not in use.
Store between 50-100 deg. F., ideally 70 deg. F.

7.3 Specific end use(s): The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Wear approved NIOSH/MSHA respirator if exposure to mist or vapours 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.

Eye protection: Wear goggles where spills or splashing may occur.

Body protection: Normal clothing.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	Paste – Various Colours
Colour:	Various
Odour:	Not determined
Melting point/freezing point: Boiling point:	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Miscible

9.2 Other information:
None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use and storage.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions:
None known.

10.4 Conditions to avoid: Avoid creating or accumulating dusts. Keep away from direct sunlight. Avoid high temperatures.

10.5 Incompatible materials: Strong oxidizing agents; acids.

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10.6 Hazardous decomposition products:

May give off toxic fumes is case of fire, including lead fumes.
Decomposition products depend on conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.

Acute toxicity:

None known for this mixture.

Cadmium - Oral: LD50 (Rat): 225 mg/kg LD50 (Mouse): 890 mg/kg
Cadmium - Dermal: Not Available
Cadmium - Inhalation: LC50 (Rat): 25 mg/kg - 30 mins
Cobalt - Oral: LD50 (Rat): 6,170 mg/kg
Cobalt - Dermal: Not Available
Cobalt - Inhalation: LC50 (Rat): 10 mg/kg - 1 hour
Nickel - Oral: LD50 (Rat): 9,000 mg/kg
Nickel - Dermal: Not Available
Nickel - Inhalation: Not Available
Lead - Oral: LD50 (Rat): 56 mg/kg LD50
Lead - Dermal: Not Available
Lead - Inhalation: LC50 (Rat): 100 mg/m3

Skin corrosion/irritation:

Direct contact with skin may result in little or no irritation. Prolonged contact with skin may cause an allergic reaction. This product is not a primary skin irritant.

Serious eye damage/irritation:

This product is not considered as being an eye irritant. Direct contact with eye may cause mild eye irritation. This product is not a primary eye irritant.

Respiratory or skin sensitization:

May cause mild respiratory irritation at higher temperatures.

Pigment mixture compounds: Overexposure or prolonged exposure may be harmful.

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	Cadmium Compounds:
NTP	Known to be human carcinogen
IARC	Group 1: Carcinogenic to humans
ACGIH	A2: Suspected human carcinogen
OSHA	Listed
	Cobalt Compounds:
NTP	Reasonably anticipated to be a human carcinogen
IARC	Group 2B: Possible carcinogenic to humans
ACGIH	ACGIH A3: Confirmed animal carcinogen
OSHA	OSHA Listed
	Nickel Compounds:
NTP	Reasonably anticipated to be a human carcinogen
IARC	Group 2B: Possible carcinogenic to humans
ACGIH	Not listed
OSHA	Listed
	Lead Compounds:
NTP	3 - Reasonably anticipated to be Human Carcinogen.
IARC	Group 2B: Possibly carcinogenic to humans.
OSHA	Category 1B

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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified as dangerous for the environment.

12.2 Mobility in soil: No Information available

12.3 Result of PBT and vPvB assessment:
No Information available

12.4 Endocrine disrupting properties:
The product/substance has no endocrine-disrupting properties.

12.5 Other adverse effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:
Avoid release to the environment.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

	ADR/RID	**IMDG/IMO**
14.1 UN number or ID number	Not relevant	Not relevant

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14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant
14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant
Other information	LQ: Not relevant Tunnel: Not relevant	LQ: Not relevant Tunnel: Not relevant

14.6 Special precautions for user:
Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:
Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Other information:

California Proposition 65

WARNING: This product can expose you to chemicals including cadmium compounds, cobalt compounds, nickel compounds, lead compounds and additional trace heavy metals, which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

15.2 Chemical safety assessment:
Not necessary.

SECTION 16. OTHER INFORMATION

The information contained in this Safety Data Sheet was compiled using the latest and most reliable information available to the preparer from the manufacturer. The information is provided without any warranty, express or implied regarding its correctness or accuracy nor will the manufacturer assume any liability for any loss or damage arising out of the use of this information including without limitation direct or indirect losses or expenses. To the extent permitted by law, no warranty expressed or implied regarding the product described herein shall be created by or inferred from any state or omission for this SDS. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense whatsoever arising out of the product's improper use.

Additional information:
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

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