

Safety Data Sheet



3. COMPOSITION INFORMATION

Chemical Entity	CAS NO	Proportion
Ammonium Chloride	12125-02-9	5 - 15 %
Copper Nitrate Trihydrate	10031-43-3	< 5 %
Ingredients determined not to be hazardous :		Balance
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

Inhalation :	Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Skin :	For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is available). If skin irritation occurs seek medical advice or attention.
Eye :	If in eyes, hold eyelids apart and rinse the eyes continuously with running water. Remove contact lenses if present and easy to do. Continue rinsing for several minutes until all contaminants are washed out completely. If eye irritation persists seek medical advice or attention.
Ingestion :	If swallowed rinse mouth. Do NOT induce vomiting. Call a Poisons information Centre or doctor if you feel unwell.

Symptoms and effects that may arise if the product is mishandled and overexposure occurs are :

Inhalation :	Irritation and coughing.
Skin contact :	Irritation, redness.
Eye contact :	Pain or irritation, watering, redness.
Ingestion :	Nausea or vomiting.
Advice to First Aiders :	Be aware of the material(s) involved, and wear protective equipment if there is a risk of inhalation or skin and eye contamination.
First Aid Facilities :	Eye wash and normal washroom facilities.
Advice to Doctor :	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazchem Code :	*3Z
Suitable extinguishing media :	Not combustible, however, if material is involved in fire use extinguishing media appropriate to surrounding fire conditions.
Specific hazards :	Non- combustible material.
Fire fighting further advice :	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition. Prevent any possible contamination of drains and waterways.

6. ACCIDENTAL RELEASE MEASURES

Small Spills :	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
-----------------------	---

Product name :	Artisan Collection Oxidising Patina
Issued :	29/3/19
Version :	1.1

Safety Data Sheet



Large Spills : Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of any dust. Work up wind or increase ventilation. Contain - prevent any possible contamination of drains and waterways. Collect and seal in properly labelled containers or drums for disposal. If contamination of drains or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No : **47**

7. HANDLING AND STORAGE

Handling : Keep out of reach of children. Avoid eye contact and repeated or prolonged skin contact and inhalation of any vapour.

Storage : Store in a cool, dry, well-ventilated place and out of direct sunlight. Keep containers closed when not in use. Check regularly for spills or leaks.

This material is described as a Dangerous Good Class 8 Corrosive Substance as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters : No value assigned for this specific product by Safe Work Australia. However, Workplace Standard(s) for constituent(s) are :

Chemical Entity	TWA		STEL		Carcinogen Category	Notices
	ppm	mg/m ³	ppm	mg/m ³		
Ammonium Chloride	-	10	-	20	-	-

As published by Safe Work Australia

TWA - the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period, which should not be expected at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If directions for use are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Controls : Ensure ventilation is adequate and that air concentrations are controlled below quoted Workplace Exposure Standards. Close with lid when not in use.

Personal protection equipment : **OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.**

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment.

Hygiene measures : Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Product name : Artisan Collection Oxidising Patina
Issued : 29/3/19
Version : 1.1

Safety Data Sheet



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue-green, viscous liquid
Odour :	Slight
Odour Threshold :	Not Available
Solubility :	Soluble in water.
Specific Gravity (20 °C) :	1.0 - 1.1
Relative Vapour Density (air=1) :	Not Applicable
Vapour Pressure (20 °C) :	Not Applicable
Flash Point (°C) :	Not Applicable
Flammability Limits (%) :	Not Applicable
Autoignition Temperature (°C) :	Not Applicable
Melting Point/Range (°C) :	Not Applicable
Boiling Point/Range (°C) :	Not Applicable
Decomposition Point (°C) :	Not Applicable
pH :	7-9
Viscosity (Kinematic @ 40 °C) :	Not Available
Total VOC (g/litre) :	Not Available

10. STABILITY AND REACTIVITY

Reactivity :	No reactivity hazards are known for the material.
Chemical stability :	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Hazardous reactions :	No known hazardous reactions.
Conditions to avoid :	Elevated temperatures and sources of ignition.
Incompatible materials :	Oxidising agents.
Hazardous decomposition products :	Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects :

Acute toxicity - Inhalation :	Insufficient information available for classification.
Acute toxicity - Skin contact :	Insufficient information available for classification.
Acute toxicity - Ingestion :	Insufficient information available for classification.
Skin corrosion/irritation :	This product has been classified as Non-hazardous.
Serious eye damage/irritation :	This product is classified as a Category 2A Hazard. Causes serious eye irritation.
Respiratory Sensitisation :	This product has been classified as Non-hazardous.
Skin Sensitisation :	This product has been classified as Non-hazardous.
Aspiration hazard :	This product has been classified as Non-hazardous.
Specific target organ toxicity (single exposure) :	This product has been classified as Non-hazardous.
Chronic Toxicity :	
Mutagenicity :	This product has been classified as Non-hazardous.
Carcinogenicity :	This product has been classified as Non-hazardous.
Reproductive toxicity:	This product has been classified as Non-hazardous.
Specific target organ toxicity (repeat exposure) :	This product has been classified as Non-hazardous.

Product name :	Artisan Collection Oxidising Patina
Issued :	29/3/19
Version :	1.1

Safety Data Sheet



Likely routes of exposure : Routes of entry anticipated : Dermal, Inhalation.

No adverse health effects expected if material is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are :

Potential acute health effects :

- Inhalation :** Prolonged inhalation of vapour may cause irritation of respiratory tract.
- Skin contact :** Causes skin irritation.
- Eye contact :** Contact with eye causes serious irritation.
- Ingestion :** No adverse effects expected due to swallowing of small amounts. Ingestion of large amounts should be treated with caution and medical advice sought.

Symptoms related to the physical, chemical and toxicological characteristics :

- Inhalation :** Irritation and coughing.
- Skin contact :** Irritation, redness.
- Eye contact :** Pain or irritation, watering, redness.
- Ingestion :** Nausea or vomiting.

Delayed and immediate effects and also chronic effects from short and long term exposure :

- Inhalation :** Mist, vapour or spray may irritate the nose, mouth and respiratory tract.
- Skin contact :** Prolonged or repeated contact can defat the skin and lead to irritation and/or allergic contact dermatitis.
- Eye contact :** Mist, vapours or spray may cause eye irritation. Exposure to mist, vapour or spray may cause stinging, redness and watering of the eyes.
- Ingestion :** If swallowed, may irritate the mouth, throat and digestive system. If swallowed, may cause abdominal pain, stomach cramps, nausea, vomiting, diarrhoea, dizziness and drowsiness.

12. ECOLOGICAL INFORMATION

Avoid contaminating drains and waterways.

- Acute aquatic hazard :** Aquatic Acute - Category 1. Very toxic to aquatic life.
- Long-term aquatic hazard :** No information available to complete an assessment.
- Ecotoxicity :** No information available.
- Persistence and degradability :** No information available.
- Bioaccumulative potential :** No information available.
- Mobility :** No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled dispose in accordance with local, regional, national and international regulations.

Safety Data Sheet



14. TRANSPORT INFORMATION

Road and Rail Transport :	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail".
Note :	Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in any package, any IBC, or any other receptacle not exceeding 500 kg(L).
UN number :	3082
Dangerous Goods Class :	9
Packing Group :	III
Hazchem Code :	*3Z
Emergency Response Guide No :	47
Proper Shipping Name :	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains COPPER NITRATE TRIHYDRATE)
Marine Transport :	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant according to the International Maritime Dangerous Goods Code.
UN number :	3082
Dangerous Goods Class :	9
Packing Group :	III
Proper Shipping Name :	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains COPPER NITRATE TRIHYDRATE)
Air Transport :	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN number :	3082
Dangerous Goods Class :	9
Packing Group :	III
Proper Shipping Name :	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains COPPER NITRATE TRIHYDRATE)

15. REGULATORY INFORMATION

This product/constituent(s) is/are covered by the following requirements :

This material is hazardous according to health criteria of Safe Work Australia. HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail". See note in Section 14.

The Standard for the Uniform Scheduling of Medicines and Poisons No. 7.

Not Scheduled

All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted.

16. OTHER INFORMATION

This Safety Data Sheet has been prepared by Haymes Paint Technical Department.

Reason(s) for issue :	Change in Dangerous Goods Classification.
Literature References :	Globally Harmonised System of Classification and labelling of Chemicals (GHS), 3rd revised edition, United Nations, 2009. Guidance on the Classification of Hazardous Chemicals under the WHS Regulations - Implementation of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) - Safe Work Australia. Australian Inventory of Chemical Substances. European Chemicals Agency (ECHA).

Product name :	Artisan Collection Oxidising Patina
Issued :	29/3/19
Version :	1.1

Safety Data Sheet



This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Haymes Paint cannot anticipate or control the conditions under which the product may be used, prior to usage, review the SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.