

Hazardous Substance, NON-Dangerous Goods

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

Product Identifier: **Craig & Rose Artisan Copper Patina Solution**

**Synonyms:**

Artisan Copper Patina Solution, 250mL

**Product Code**

940120

**Bar Code**

5036211069630

**Relevant identified uses of the substance or mixture and uses advised against:** Coating designed to cause oxidation of metallic particles contained in an appropriate paint. No information for uses advised against.

**Details of the supplier of the safety data sheet**

**Supplier/Distributor:** Craig & Rose Paints Ltd.

**Company Number:** 09968464

**Street Address:** 20-22 Bedford Row,  
London, WC1R4JS  
United Kingdom

**Telephone:** +44 0 138 374 0011

**Web Address:** www.craigandrose.com

**24hr Emergency telephone number:** 0800 085 6522

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:** This material is classified as hazardous according to the criteria of Regulation (EC) No. 1272/2008 (CLP).

Serious Eye Damage/Irritation – Category 2A

Acute Hazard to the Aquatic Environment – Category 3 (M-Factor = 1)

Chronic Hazard to the Aquatic Environment – Category 3 (M-Factor = 1)

**Label elements/pictogram:**



**Signal word:**

Warning

**Hazard statements:**

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P102 Keep out of reach of children.

P103 Read label before use.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective clothing, gloves, eye/face protection and suitable respirator as required.

P101 If medical advice is needed, have product container or label at hand.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313 If eye irritation persists get medical advice/attention.

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

# Safety Data Sheet

**Supplemental hazard information:**

Not applicable

**Other hazards:**

Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	REACH Reg. No.	Proportion (% w/w)	Classification
Ammonium chloride	12125-02-9	235-186-4	017-014-00-8	10 - 15	H302, H319
Hydrochloric acid	7647-01-0	231-595-7	017-002-01-X	1 - 5	H314, H318, H335
Copper acetate	142-71-2	205-553-3	#	< 1	H302, H314, H318, H400, H410
Non-hazardous	-	-	-	Balance	-

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP).

# REACH Reg. No – Numbers not Registered are exempted from registration. Import volume is less than 1 tonne per year.

### 4. FIRST AID MEASURES

**Description of first aid measures:** If poisoning occurs, contact a doctor or the National Poisons Information Service (Phone 111) or Ambulance (Phone 999).

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. 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 contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

**Self-protection for the first aider:** Wear overalls, chemical goggles and impervious gloves. 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. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Most important symptoms and effects, both acute and delayed:** Refer to Section 11 for Toxicological Information.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Hazchem code:** Not applicable.

**Extinguishing media:** Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). Do not use water jets.

**Specific hazards arising from the substance or mixture:** Non-combustible material.

**Advice for firefighters:** On decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours.

**Environmental precautions:** Do not let product enter drains. Cover drains. If contamination of sewers or waterways has occurred advise local emergency services.

### Methods and material for containment and cleaning up

**Small spills:** Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

**Large spills:** Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

**Reference to other sections:** Refer to Section 13 for Disposal Considerations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

**Conditions for safety storage, including any incompatibilities:** Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

**Specific end use:** Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Ensure that eyewash stations and safety showers are close to the workstation location.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

**Occupational exposure limits:** No Workplace Exposure Standard values have been assigned for this specific material by the Health and Safety Executive (HSE).

However, for:

	TWA		STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Ammonium chloride	-	10	-	20	-	-
Hydrogen chloride*	1	2	5	8	-	-

\*Gas and aerosol mists  
Assigned by the United Kingdom.

As published by GESTIS International Limit Values ([http://limitvalue.ifa.dguv.de/WebForm\\_gw2.aspx](http://limitvalue.ifa.dguv.de/WebForm_gw2.aspx)).

WES-TWA (Workplace Exposure Standard – Time-weighted Average). The time-weighted average exposure standard designed to protect the worker for the effects of long-term exposure.

WES-STEL (Workplace Exposure Standard - Short-Term Exposure Limit). The 15-minute average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue changes, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too 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 the directions for use on the product label 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.

**Biological monitoring:** No biological monitoring required.

### Exposure Controls

**Engineering Controls:** Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards.

**Personal Protection Equipment:** OVERALLS, CHEMICAL GOGGLES, SAFETY GLASSES, GLOVES.

Personal protective equipment should be used only when other control measure (eg. elimination, substitution, isolation and engineering controls) have been found to be impractical or in conjunction with one or more control measures.

**Manufacturing, Packing and Transport:** Wear overalls, chemical goggles and impervious gloves. If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of HSE Respiratory Protective Equipment at Work HSGE53.

**Recommendations for consumer use:** Wear safety glasses and gloves. Wash hands after use.

**Environmental Exposure Controls:** Keep containers closed when not in use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

**Appearance and odour:** Clear, green liquid with a mild, characteristic odour.

<b>Solubility:</b>	Soluble in water.
<b>Specific Gravity (20 °C):</b>	Approx. 1.03
<b>Relative Vapour Density (air=1):</b>	>1
<b>Vapour Pressure (20 °C):</b>	N Av
<b>Oxidising Properties:</b>	N App
<b>Flash Point (°C):</b>	N App
<b>Flammability Limits (%):</b>	N App
<b>Autoignition Temperature (°C):</b>	N App
<b>Explosive Properties:</b>	N App
<b>Initial Boiling Point/Range (°C):</b>	N Av
<b>Decomposition Point (°C):</b>	N Av
<b>Melting Point/Freezing Point (°C):</b>	N Av
<b>pH:</b>	N Av
<b>Viscosity:</b>	N Av
<b>Partition Coefficient:</b>	N Av
<b>Evaporation Rate (n-Butyl acetate=1):</b>	N Av
<b>Total VOC (g/Litre):</b>	0.0

(Typical values only - consult specification sheet)  
N Av = Not available                      N App = Not applicable

## 10. STABILITY AND REACTIVITY

**Reactivity:** No reactivity hazards are known for the material.

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Possibility of hazardous reactions:** No known hazardous reactions.

**Conditions to avoid:** Elevated temperatures.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product 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:

### Information on Toxicological Effects

**Inhalation:** Inhalation of mists or aerosols may produce respiratory irritation.

**Skin contact:** Contact with skin may result in irritation.

**Ingestion:** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Eye contact:** An eye irritant.

# Safety Data Sheet

## Acute toxicity

**Inhalation:** Based on available data the classification criteria have not been met. This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >20 mg/L

**Skin contact:** Based on available data the classification criteria have not been met. This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**Ingestion:** Based on available data the classification criteria have not been met. This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

**Corrosion/Irritancy:** Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes).

Eye irritant (rabbit): Moderately irritating.<sup>1</sup>

Skin: this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: Based on available data this material has been classified as not a respiratory sensitiser.

Skin: Based on available data this material has been classified as not a skin sensitiser.

**Aspiration hazard:** Based on conclusive data this material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** Based on available data this material has been classified as non-hazardous.

## Chronic Toxicity

**Mutagenicity:** Based on available data this material has been classified as non-hazardous.

**Carcinogenicity:** Based on available data this material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** Based on available data this material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** Based on available data this material has been classified as non-hazardous.

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Acute:** This material has been classified as a Category Acute 3 Hazard.

Acute toxicity estimate (based on ingredients): 10 - 100 mg/L

**Chronic:** This material has been classified as a Category Chronic 3 Hazard.

Acute toxicity estimate (based on ingredients): 10 - 100 mg/L

**Persistence and degradability:** The copper acetate in this material is not expected to be rapidly degradable.

**Bio-accumulative potential:** No information available.

**Mobility in soil:** No information available.

**Results of PBT and vPvB assessment:** A PBT/vPvB assessment is not required for this material.

**Other adverse effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:** 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 of in accordance with the countries' Environmental Protection Authority.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of "The European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)", "The Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID)" and "The European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)".

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**Special Precautions for User:** Not applicable.

**Transport in Bulk according to Annex II MARPOL 73/78 and the IBC Code:** Not applicable.

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** This Safety Data Sheet has been written in accordance with Regulation (EC) No. 1272/2008 (CLP) and ECHA corresponding Guidance on the Classification, Labelling and Packaging of Substances and Mixtures (2015, Version 4,1)

All the constituents of this material are listed on the European Chemicals Agency C&L Inventory.

This material is not subject to the following international agreements

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)
- Basel Convention (Hazardous Waste)
- International Convention for the Prevention of Pollution from Ships (MARPOL)

**Chemical safety assessment:** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## 16. OTHER INFORMATION

**Indications of changes:** First Issue

### Literatures sources and abbreviations

1. European Chemicals Agency 2017. Registered Substances. Data submitted by external agent for Ammonium chloride.

CLP	Classification, Labelling and Packaging
EC	European Commission
EC No.	EINECS Number
ECHA	European Chemicals Agency
H302	Harmful if swallowed
H314	Causes sever skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
HSE	Health and Safety Executive
PVT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative

This Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd ([chemdata.com.au](http://chemdata.com.au)) on behalf of its client.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

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 Craig & Rose Paints Ltd. cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this 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.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

End of SDS.