

# SDS

## SAFETY DATA SHEET

### Metalier Patina M5



1ST JUNE 2024

#### 1 PRODUCT IDENTIFIER AND COMPANY INFORMATION

Product Identifier	MA07M5
Product Name	Metalier Patina M5
Other means of identification UN Number	UN3082
Recommended Use of the chemical and restrictions on use	Recommended for Industrial and/or Professional use only

#### Details of the supplier of the safety data sheet

##### Distributor:

Metalier International Ltd  
305/150 Karangahape Road  
CBD  
Auckland 1010  
New Zealand

##### For further information, please contact:

Contact point +64 9 376 7099  
E-mail address office@metaliercoatings.com  
Emergency telephone number +64 9 376 7099

#### 2 HAZARDS IDENTIFICATION

GHS classification of the substance/mixture

DG Status: Classified as Dangerous Goods according to NZS5433.

HSNO Status: Classified as hazardous according to the criteria of HSNO.

Signal Word: Warning

HSNO Code	HSNO classifications	Hazard statements	GHS Pictogram
6.5B	skin sensitisation Category 1	H317 - May cause an allergic skin reaction.	
6.9B (Repeated exposure)	specific target organ toxicity - repeated exposure Category 2	H373 - May cause damage to organs through prolonged or repeated exposure.	
9.1B	hazardous to the aquatic environment chronic Category 2	H411 - Toxic to aquatic life with long lasting effects.	

#### Precautionary Statements

##### General

P103	Read label before use.
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#### Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
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#### Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P314	Get medical advice/attention if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.

#### Response

P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.
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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Name	CAS	Proportion - %w/w
Ammonium Chloride	12125-02-9	10-30
Copper sulphate	7758-98-7	1-10
Ingredients determined not to be hazardous or below the hazardous threshold.		To 100%

#### Preparation Description

Waterbased patina solution

### 4 FIRST AID MEASURES

#### Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

#### Skin

In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing and shoes.

Do not use organic solvents for cleanup as they may dry or irritate the skin and act as a carrier for chemical absorption.

#### First Aid Facilities

Eyewash and normal washroom facilities.

#### Inhalation

If aerosol or mists are formed, remove affected person to fresh air. Seek immediate medical attention if breathing difficulties occur. Also keep patient half sitting with upper body raised.

#### Ingestion

If accidentally swallowed, rinse mouth thoroughly with water and, afterwards, drink plenty of water. Do not induce vomiting.

#### Advice to Doctor

Treat symptomatically.

#### Other Information

For advice in an emergency, contact the National Poisons Centre (0800 764 766), or a doctor, at once.

## 5 FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam, water fog or water mist.

### Unsuitable Extinguishing

Water with full jet.

### Hazards from Combustion Products

Toxic products may be given off in a fire.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

## 6 ACCIDENTAL RELEASE MEASURES

### Emergency Procedures

Increase ventilation. If possible, contain the spill. Wear appropriate personal protective equipment and clothing to prevent exposure.

Spillage can be slippery. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled

container. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance

with local regulations. Dispose of waste according to the applicable local and national regulations.

## 7 HANDLING AND STORAGE

### Precautions for Safe Handling

Use only in a well-ventilated area. Keep containers tightly closed. Prevent the buildup of dusts, mists or vapours in the work

atmosphere. Maintain high standards of personal hygiene i.e., washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Protect from freezing. Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Ensure

that storage conditions comply with applicable local and national regulations.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Occupational exposure limit values

Exposure Standards

Product / Ingredient	WES/TWA	WES/STEL	Reference
Ammonium Chloride (12125-02-9)	10 mg/m <sup>3</sup>	20 mg/m <sup>3</sup>	NZ-WES

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapor/mist filter should be used. If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable vapor/mist filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles, or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances.

Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e., methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Blue
Odour	Mild
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Soluble
Specific Gravity	1.10 - 1.40
pH when packed	8.0 - 10.0
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not available
Flammability	Noncombustible material
Auto-Ignition Temperature	Not applicable
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable
Kinematic Viscosity	Not available
Dynamic Viscosity	Not available
Freeze thaw stability	Stable

## 10 STABILITY AND REACTIVITY

Reactivity	Not expected to be a problem.
Chemical Stability	Stable under normal conditions of storage and handling
Conditions to Avoid	Extremes of temperature and direct sunlight. Protect from freezing.
Incompatible materials	Strong oxidising agents. Strong acids and bases.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes.
Possibility of hazardous reactions	Not available
Hazardous Polymerization	Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Original data sourced from raw material SDSs and/or CCID.

Acute Oral Toxicity	Not classified
Acute Dermal Toxicity	Not classified
Acute Inhalation Toxicity	Not classified
Acute Aspiration Toxicity	Not classified
Skin Irritancy/Corrosion	Not classified
Eye Irritancy/Corrosion	Not classified
Respiratory Sensitisation	Not classified
Skin Sensitisation	May cause allergic skin reaction.
Mutagenic	Not classified
Carcinogenic	Not classified
Reproductive/Development Toxicity	Not classified
STOT-SE	Not classified
STOT-RE	Not classified

#### Estimated Acute Toxicity - product

LD50 Oral: >2,000 mg/kg
LD50 Dermal: >2,000 mg/kg
LC50 Inhalation: >5 mg/L/4H

#### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

#### Inhalation

Inhalation of product vapours may cause irritation of the nose, throat, and respiratory system.

#### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling.

#### Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

## 12 ECOLOGICAL INFORMATION

#### Ecotoxicity

Ecotoxic according to criteria of HSNO.

Toxic to aquatic life with long lasting effects.

Product Calculated Ecotoxicity: LE(C)50 >1 - ≤10 mg/L

#### Ecotoxic Ingredients:

Ingredient	Ecotoxic Classification
Copper sulphate	1A - hazardous to the aquatic environment chronic Category 1

#### Toxicity

Product Calculated Aquatic Ecotoxicity – L(E)C50: >100 mg/L

#### Persistence and degradability

Not available

#### Mobility

Not available

#### Bioaccumulative Potential

Not available

## 13 DISPOSAL CONSIDERATIONS

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

#### Product Disposal

This product can be disposed through a licensed commercial waste collection service. Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This is a water-based/water-soluble product and therefore can be sent through a Wastewater Treatment Plant and after treatment can be discharged into environment through the sewerage or drainage systems as authorized. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Dispose of waste according to applicable local and national regulations. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the ERMA New Zealand website under specific group standards.

## Container Disposal

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14 TRANSPORT INFORMATION

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by

Regulated for transport	Keep separated from foodstuffs
UN Number:	3082
Proper Shipping Name:	Environmentally hazardous substances, liquid, n.o.s.
Class:	9
Packing Group:	III
Hazchem:	3Z
Marine Pollutant:	Yes



## 15 REGULATION INFORMATION

Classified as Hazardous according to the criteria of HSNO.

Group Standard:	HSR002670 Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2020
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### HSNO CONTROLS

SDS required when any quantity is present in a workplace.
Emergency Response Plan And Secondary Containment required when >1,000L is present in a workplace.
Ecotoxic signage required when >1,000L is stored.
Certified Handler: Not Required
Tracking: Not Required
All ingredients are on the New Zealand Inventory of Chemicals (NZIOC), or exempt.
Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to take into account aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance

## 16 OTHER INFORMATION

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or person, is the responsibility of the user.