



LACNAM PAINTS AUSTRALIA
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Page 1 of 5
Date of issue 26 July 2008

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL & COMPANY DETAILS

Product Name: 212 METAL CLEAN

Company Name: Lacnam Paints Australia
Address: 78-80 Mandoon Road, Girraween, NSW 2145
Telephone Number: (02) 9688-1999
Emergency Number: (02) 9636-5505 (after hours)

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE-DANGEROUS GOODS:
Classified as hazardous according to criteria of ASCC.
Classified as dangerous according to Dangerous Good Code.

Xi Irritant.
Xn Harmful
C Corrosive.

Risk Phrases:

R20 Harmful by Inhalation.
R34 Causes burns.
R37 Irritating to eyes and respiratory system.
R65 Harmful. May cause Lung Damage if swallowed.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases:

S2 Keep out of reach of children.
S23 Do not breathe gas, fumes, vapour or spray.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S61 Avoid release to the environment, Refer special instructions.
S64 If swallowed, rinse mouth with water, (only if the person is conscious).

MATERIAL SAFETY DATA SHEET

212 Metal Clean

Page 2 of 5

Date of issue 26 July 2008

3. COMPOSITION/INFORMATION OF INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Mineral Acid	7664-38-2	10-30%
Glycol	111-76-2	10-20%
Non Hazardous Materials	Proprietary	50-70%

4. FIRST AID MEASURES

- Inhalation:** If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist, obtain medical advice.
- Skin:** Remove all contaminated clothing and footwear. Wash contaminated area thoroughly with soap and water as soon as reasonably practicable.
- Eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.
- Swallowed:** Rinse mouth with water. Give water to drink. Do not induce vomiting. If vomiting occurs, place person's face downwards, head lower than hips to prevent vomit entering lungs. Seek medical advice.

First Aid Facilities: Ensure that an eye wash bath and safety shower, are readily accessible.

Advice to Doctor: Treat the patient symptomatically.

5. FIRE FIGHTING MEASURES:

Evacuate immediate area of non-emergency personnel.

Under fire conditions the following products may be produced. Carbon Dioxide, Carbon Monoxide, Soot, Smoke, phosphoric acid fumes and phosphorus oxides.

Use foam, dry chemical or carbon dioxide extinguishers. Water spray may be used to cool containers to prevent vapour pressure build up. Wear full protective equipment including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

Wear full protective equipment. Restrict access to area until completion of clean-up. Contain and absorb using earth, sand or other inert material, do not use sawdust, this is flammable. Neutralize with sodium bicarbonate (NaHCO₃) or a mixture of soda ash/slaked lime. Transfer into containers for disposal according to local regulations. Do not allow product to enter drains or water courses. Immediately remove all contaminated clothing after containment.

MATERIAL SAFETY DATA SHEET

212 Metal Clean

Page 3 of 5

Date of issue 26 July 2008

7. HANDLING AND STORAGE:

Handling: Keep out of reach of children. Avoid contact with skin and eyes and do not inhale spray mist. Use only in a well-ventilated area. Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Use proper grounding procedures.

Storage: Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight

Do not store with Class 1, Class 2.1, Class 2.3, Class 4.2, Class 5.1, Class 5.2 or Class 7 items.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

No evaluated data available for 212 Metal Clean.

Hazardous Components Data:

Chemical Type:	CAS. No	TWA (Refer Section 16)	
		ppm	mg/m ³
Mineral Acid	7664-38-2	0.25	1.0
Glycol	111-76-2	Not Available	

Based on available information on hazardous components of this product, the recommended exposure limit, (TWA) is 1 ppm.

Engineering Controls: : Ensure ventilation is adequate, (typically 10 air changes per hour). If applicable use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. Flameproof equipment is necessary in the area where this product is used. All equipment should be earthed to prevent static build up. Keep containers closed when not in use. Do not use near ignition sources.

Personal Protection: Avoid contact with skin and eyes. Wear suitable clothing such as impervious overalls, PVC or Neoprene gloves, and safety goggles. Wear an approved half-face respirator suitable for organic vapour, meeting AS1715/1716. Select a filter suitable for organic gases and vapours rated for; [boiling point > 65°C]. In confined spaces with inadequate ventilation, wear an air-fed face mask.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Colourless liquid.

Boiling Point (°C): 100

Vapour Pressure: Not available

Specific Gravity: 1.100-1.200

Flashpoint (°C): 114 (as glycol)

Auto-ignition temperature (°C): 210 (as glycol)

Flammability Limits (% by Volume): Not available

Solubility in Water: Not available

MATERIAL SAFETY DATA SHEET

212 Metal Clean

Page 4 of 5

Date of issue 26 July 2008

10. STABILITY AND REACTIVITY:

Do not store: In the presence of strong bases, strong oxidising and reducing agents; sulphides, phosphides, cyanides, acetylides, fluorides and carbides.

At Ambient Temperature: Product is considered stable.
Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION:

Acute - Swallowed: Ingestion may cause burns to the mouth and throat, pain in the stomach, difficulty in breathing, nausea, vomiting, diarrhea and convulsion. It may cause gastric and esophageal perforation.

Acute - Eye: Corrosive to eyes. Mists may cause severe eye irritation. When splashed in the eyes, concentrated solutions can cause severe burns, pain and permanent eye damage.

Acute - Skin: Corrosive to skin; skin contact may cause redness, itching, irritation, severe pain and chemical burns with resultant tissue damage.

Acute - Inhaled: May be an irritant to mucous membranes and respiratory tract. Inhalation of mist or vapours may result in harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

Chronic: Prolonged exposure can cause necrosis of nasal passages and edema of lungs.

12. ECOLOGICAL INFORMATION:

Ecotoxicity; Not Available

Persistence/

Degradability: Not Available

Mobility: Not Available

Environment/

Protection: Do not discharge into sewer or waterways.

13. DISPOSAL CONSIDERATIONS:

Refer to State Land Waste Management Authority. Advice flammable nature of product.

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated, and to assess the appropriate waste classification and disposal methods.

This product is not suitable for landfill.

MATERIAL SAFETY DATA SHEET

212 Metal Clean

Page 5 of 5

Date of issue 26 May 2008

14: TRANSPORT INFORMATION:



Classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

Product Name: 212 Metal Clean

Other Names: Metal Conditioner

Manufacturer's Product Code: 212

UN Number: 1805

Packaging Group: III

Dangerous Goods Class & Subsidiary Risk: 8

Hazchem Code: 2R

Use: Metal Cleaner

Do not load on the same vehicle as Class 1, Class 2.1, Class 2.3, Class 4.2, Class 5.1, Class 5.2 or Class 7.

15: REGULATORY INFORMATION:

Poisons Schedule Number: 6

16: OTHER INFORMATION:

TWA: Exposure standard-time weighted average; the average airborne concentration of a particle substance when calculated over a normal eight hour working day, for a five day week.

ppm: Parts of vapour or gas per million parts of contaminated air by volume.

mg/m³: Milligrams of substance per cubic metre of air at 25°C and one atmosphere pressure. When entry is in this column only the value is exact; when listed with a ppm value, it is approximate.

CONTACT POINT

Technical Manager	- Working hours	(02) 9688-1999
	- After hours	(02) 9636-5505

Although this information is presented in good faith and compiled from various sources believed to be accurate, Lacnam Paints make no representations or warranty as to the completeness or accuracy thereof. As the product's performance and suitability depends on various factors, the purchasers of our products should determine for themselves whether the product is suitable for their particular use.

Hazardous according to criteria of Australian Safety Compensation Council