

## PRODUCT DATA SHEET

### NORGLASS LABORATORIES PTY.LTD.

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## METAL-ETCH CLEANER

**DESCRIPTION:** Metal-Etch Gel is a phosphoric acid metal conditioner specifically designed for pre treatment of bare aluminium, galvanised Iron and non ferrous alloys such as brass, copper and bronze. Metal-Etch Gel will clean and condition the metal surface to promote good adhesion of paint. Metal-Etch Gel has been formulated as a viscose liquid/gel to provide better hold on vertical surfaces. Shaking or stirring the container for 1-2 minutes will liquify the METAL-ETCH for a more fluid application. By allowing the container to stand for 1-2 hours, the product will revert to a gel.

**USES:** For etching all non ferrous metals prior to painting or clear lacquering.

### PROPERTIES (at 20°C)

**APPEARANCE:** Pale yellow/green, odourless gel (liquifies if stirred or shaken)

**TOXICITY:** Contains corrosive acid. Refer to Safety Directions and First aid Instructions on the label

**FINISH:** N/A

**COVERAGE:** Spread Rate of up to 14m<sup>2</sup> per litre

**POTLIFE:** N/A

**MIXING RATIO:** N/A

**THINNING:** Metal-Etch Cleaner is designed to be used as is. Thinning is not possible

**WEIGHT/LITRE:** 1.250kg

**FLASH POINT:** N/A – Metal-Etch Cleaner is non-flammable and non-combustible.

<b>CLEAN UP:</b>	Water
<b>UN NUMBER:</b>	1805
<b>PREPARATION:</b>	Remove any oxidation (powdery film) by scrubbing with a nylon scouring pad soaked in NORCLEAN-PLUS. On new shiny metal galvanic iron plating or rolling oils (aluminium) are to be treated by washing over the area with NORCLEAN-PLUS using clean rags.
<b>APPLICATION:</b>	<p>Apply NORGLASS METAL-ETCH CLEANER to the bare metal surface direct from the container using a clean brush or alternatively pour a quantity onto the bare metal surface and spread it with a soft nylon broom or sponge.</p> <p>Metal-Etch will spread at a rate of up to 14m<sup>2</sup> per litre. Allow contact with the metal for 15 minutes MAXIMUM and then thoroughly wash off with water using a sponge, cloth or soft nylon broom. <b>Avoid doing a greater area than can be treated within 20 minutes.</b></p> <p>NOTE: Following this stage it is critical that the surface is not contaminated BY ANYTHING (including being touched by bare skin). It is important to thoroughly dry the surface using direct sun, fan heater or hot air gun as soon as possible then apply NORGLASS SHIPSHAPE PRIMER OR NORGLASS NORUST PRIMER by brush, roller or spray. If there is to be any delay in priming, cover with plastic sheets to screen away from contamination. Where contamination does occur repeat the process above.</p> <p><b>OVERCOATING:</b> Priming of the surface should be carried out as soon as possible after the Metal-Etch Cleaner treatment is completed and the surface has completely dried. An appropriate primer for the metal such as Norglass NoRust Primer or Norglass Shipshape Primer-Undercoat should be used (Refer to appropriate Data Sheet). For clear metal finishing apply NORTHANE CLEAR immediately after drying.</p>
<b>TRANSPORTATION:</b>	<p>DG Class 8 HAZCHEM 2R P.G III</p> <p>SIZES: 4litre, 1litre and 500ml tamper-proof containers.</p>
<b>PRECAUTIONS:</b>	<p>Avoid contact with skin. Corrosive can cause severe burns. Avoid contact with eyes. Wear protective clothing. Rubber boots, impervious gloves and chemical splash goggles or full face shield.</p>
<b>FIRST AID:</b>	<p>If poisoning occurs call a doctor or Poisons Information Centre (Aust) on 1311 26 or (NZ) 0800 764 766 and have label information ready.</p> <p>If swallowed DO NOT induce vomiting. Rinse mouth thoroughly with water and give large quantities of water or milk to drink. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and consult a doctor. Remove contact lenses if present and easy to do and continue rinsing. In case of skin contact, remove contaminated clothing and wash skin thoroughly. If breathing difficulty arises remove to fresh air. Apply artificial respiration if not breathing.</p>
<b>SPECIAL INSTRUCTIONS:</b>	DO NOT USE THIS PRODUCT UNLESS ALL RECOMMENDATIONS ARE FOLLOWED.

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