



SAFETY DATA SHEET

ANTIQUING FLUID – PRE-TREATMENT

PRODUCT DESCRIPTION

An acidic degreasing solution that will thoroughly clean away all residues of grease / oil from metal prior to painting, polishing or patination treatment with Antiquing Fluids. Suitable for ferrous and non-ferrous metals.

DIRECTIONS: Wearing acid resistant gloves and eye protection, rub the item with a soft cloth / cotton wool, soaked with the Pre-Treatment. Steel or Iron should be wiped dry with a cotton cloth; other metals can be rinsed with cold water. Allow to dry thoroughly. Do not touch the item throughout the process as even the tiniest of grease marks such as fingerprints, will show throughout when applying Antiquing Fluids.
Always test product on an inconspicuous area to check for colour, compatibility and end results.

PRODUCT SAFETY DATA SHEET

1) IDENTIFICATION

Product Name: Cold Patination Pre-Treatment

Details of Supplier: Wardle Antiquing
Unit 6 Albany Court, Blenheim Road, Airfield Industrial Estate,
Ashbourne, Derbyshire DE6 1HA
Tel: 01335 347154
Email: sales@johnwardle.co.uk

2) COMPOSITION / INFORMATION ON INGREDIENTS

Phosphoric Acid, Orthophosphoric Acid.
CAS No: 7664-38-2
EC No: 231-633-2

3) HAZARDS IDENTIFICATION

Classification:

Health Hazards: Eye Dam. 1, Skin Corr. 1B

Physical Hazards: Met. Corr. 1

Environmental Hazards: Not Classified

Labelling: Hazard Statements:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage

H290 May be corrosive to metals

Precautionary Statements:

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.

P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

Hazard Pictograms: Corrosive



Signal Words: Danger

4) FIRST AID MEASURES

Description of First Aid Measures

Skin Contact: Remove contaminated clothing, wash skin with soap and water. Seek medical attention immediately if blistering occurs or redness persists.

Eye Contact: Immediately flush eyes with water, holding eyelids apart for at least 10 minutes. Seek medical assistance.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical attention immediately.

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

5) FIRE FIGHTING MEASURES

Flammability Hazard: Non-Combustible
Extinguishing Media: No special requirements. As appropriate for the fire.
Advice for fire-fighters: Wear full protective clothing, and self-contained apparatus.
Special Hazards: In case of fire, the following can be released – Phosphorus Oxides. E.g. (P205)

6) ACCIDENTAL RELEASE MEASURES

Personal Precautions: Take precautions to avoid contact. See Section 8 of SDS for personal protection details.
Environmental Prevent spills from entering drains, sewers or larger water courses.
Precautions:
Clean Up: Contain with sand or earth, recover large spills for re-use or salvage, slowly neutralize residue with Sodium Bicarbonate or soda ash/lime. Shovel residues into a plastic container and hold for waste disposal

7) HANDLING & STORAGE

Handling Do not mix with other products. Observe good industrial hygiene.
Storage: Store in a cool, dry place protected from frost and away from alkalis and strong oxidising agents. Store upright in original container. Recommended storage temperature 5-25°C.

8) EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: 2mg/m³ STEL **Type OES**
Exposure Controls
Eye Protection: Safety goggles or face shield
Body Protection: As necessary to prevent contact.
Hand Protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.
Environmental: Prevent mixture from entering water courses.
Respiratory: Not applicable.

9) PHYSICAL & CHEMICAL PROPERTIES

Appearance: Colourless liquid
Odour: Mild, characteristic

Oxidising Properties:	Not applicable
Solubility:	Miscible with water
Initial Boiling Point	100oc
pH (typical)	2.2 1% in water (typical)
Flash Point oc	Not applicable
Relative Density @ 20oc	1.290
Viscosity:	Free Flowing
Vapour pressure	17.5mm Hg at 20oc
Auto Ignition temp:	Not applicable
Explosive Properties	Not applicable

10) STABILITY & REACTIVITY

Reactivity:	Incompatible with strong oxidising agents and alkalis.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Reactions:	Reactions with metals liberates flammable hydrogen gas. Reactions with bases are exothermic.
Conditions to Avoid:	Extremes of temperature
Incompatible Materials:	Incompatible with strong oxidising agents and alkalis.
Hazardous Decom. Products:	Oxides of phosphorus if heated.

11) TOXICOLOGICAL INFORMATION

Acute Toxicity:	Based on available data, the classification criteria are not met.
Skin Corrosion / Irritation:	Mixture is classified as Skin Corr. 1B
Serious Eye Damage / Irritation	Mixture is classified as Eye Dam. 1
Symptoms / Routes of Exposure	Skin – Causes severe burns. Eye – Will cause severe damage. Ingestion – Moderate toxicity, will cause irritation and damage to gastro-intestinal tract due to acidity. Inhalation – Not a hazard in normal use.

12) ECOLOGICAL INFORMATION

May affect aquatic organisms due to low pH if released into water courses untreated.
Not classified as dangerous for the environment / aquatic toxicant.
This product has high water solubility. Contains no ingredients classified as PBT or vPvB.

13) DISPOSAL CONSIDERATIONS

Waste Treatment:	Process effluent can normally be discharged to foul
Methods	sewer (subject to consent limits) Large quantities, dispose via a licensed chemical waste contractor.

Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.

14) TRANSPORT INFORMATION

UN Number	1805
Primary Hazard	Corrosive
Packing Group	III
H.I. Number	80
Class / Item Number	8

15) REGULATORY INFORMATION



H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H290	May be corrosive to metals.

16) OTHER INFORMATION

It is for users to satisfy themselves of the suitability of this product for their own applications. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.