

TOURMALINE / ANTIQUING PATINATION FLUID - BROWN

PRODUCT DESCRIPTION

Antiquing Fluid - Brown, is a cold Patination treatment which will colour new or bright Brass, Copper, and Bronze to give an antique look.

DIRECTIONS: Remove any metal lacquer using paint stripper or similar solvents. Thoroughly remove and clean any grease or oil, including fingerprints. Apply the Antiquing Fluid directly onto the item, using either cotton wool or a brush, and watch the surface quickly change colour. When the desired colour is achieved, rinse immediately with clean water or weak alkaline solution and pat dry with a cotton cloth. Alternatively, dilute with 10 parts water and immerse item to ensure a uniform colour change, this process is recommended when treating more than one item. Apply some agitation to prevent high spots caused by tiny air bubbles. After treating, items can be sealed with a wax, oil or lacquer.

IMPORTANT: Always test products first on a spare surface or inconspicuous area to check colour, compatibility and end result.

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Tourmaline / Antiquing Patination Fluid - Brown

Composition / Ingredients: Nitric Acid

Index-No : 007-004-00-1

CAS No : 7697-37-2

EC No : 231-714-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.3 Details of the supplier of the safety data sheet

Company Name :	Priory Polishes
Address:	Unit 6, Deanfield Drive, Link 59 Business Park, Clitheroe,

	Lancashire. BB7 1QJ
Website:	www.priorypolishes.co.uk
Tel:	01200 425443
Email:	info@priorypolishes.co.uk

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classifications of the substance or mixture

Classification under CLP : Regulation (EC) No.1272/2008

Corrosive to metals	Category 1	H290
Skin Corrosion	Category 1A	H314

For the full text of the H-Statements mentioned in this Section – see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Corrosive (C) R35

For the full text of the R-phrases and H-statements mentioned in this Section, see Section 16

2.2 Label elements



Signal Word : **DANGER**

Hazard Statements

H290 : May be corrosive to metals

H314 : Causes severe skin burns and eye damage.

Precautionary Statements

P280 :	Wear protective gloves / protective clothing / eye protection / face protection
P301+P330+P338 :	IF SWALLOWED. Rinse mouth. Do NOT induce vomiting.

P305+P351+P338 :	IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P310 :	IF exposed or concerned: Immediately call a POISON CENTRE/doctor.
P303+P361+P353 :	IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water / shower.

2.3 Other hazards

For results of PBT and vPvB assessment see section 12.5

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Nitric Acid

Chemical Nature :

Aqueous Solution

Ox. Liq. 3

H272

Oxidizing O; R8

Skin Corr. 1A

H314

Corrosive; C; R35

Met. Corr 1

H290

For the full text of the R-Phrases and H-Statements mentioned in this section, see section 16

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

General Advice :	Take off all contaminated clothing immediately.
If Inhaled :	In case of accident by inhalation : remove casualty to fresh air and
Skin Contact :	Wash off immediately with plenty of water for at least 15 minutes.
Eye Contact :	Immediate medical attention is required. Rinse immediately with
Ingestion :	Call a physician immediately. Clean mouth with water.
Inhalation :	Clean mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Corrosive effects
Effects : See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician : Treat symptomatically

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Fire may cause evolution of : Nitrogen Oxides (NO_x)

5.3 Advice for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill / leak. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe gas / fumes / vapour / spray.

For personal protection see Section 8

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

6.3 Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Reference to other sections : Refer to section 1, 8 and 13

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on Safe Handling: Keep container tightly closed. Handle and open container with care. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Use respirator with appropriate filter if vapours or aerosol are released. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene Measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday Take off all contaminated clothing immediately. Provide adequate ventilation. Avoid contact with the skin and the eyes. Do not breathe gas/fumes/vapour/spray.

7.2 Conditions for safe storage, including any incapacibilities

Keep in an area equipped with acid resistant flooring. Keep only in the original container. The product is not flammable. Normal measures for preventive fire protection. Keep away from combustible material.

Storage: Keep tightly closed in a dry and cool place. Protect against light. Protect from Contamination. Keep in a well-ventilated place. Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

Metal Finishing

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Nitric Acid

STEL (Short Term Exposure Limit) : 1 ppm, 2.6mg/m³

DNEL (Derived Minimal Effect Level) - Workers, Long-term local effects inhalation: 1.3mg/m³,

Workers, Acute – local effects inhalation: 2.6mg/m³, Consumers, Long-term local effects inhalation: 0.65mg/m³, Consumers, Acute local effects inhalation: 1.3 mg/m³

8.2 Exposure controls

Engineering Measures: Refer to protective measures listed in sections 7 & 8.

Hand Protection: Wear suitable gloves. The glove material has to be impermeable and resistant to the product and should be replaced at first signs of wear.

Skin & Body Protection: Wear appropriate protective gloves and clothing to prevent skin exposure.

Eye Protection: Tightly fitting safety goggles.

Respiratory Protection: When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. To protect the wearer, respiratory equipment must be the correct fit and be used and maintained properly.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Controls: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State :	Liquid
Appearance :	Blue
Odour :	Slight
Solubility in water :	Miscible
Boiling point / range oC :	No data available
Flash Point :	No data available
Oxidizing Properties :	Oxidizing Agents

9.2 Other Information

Corrosion to metals: Corrosive to metals.

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity: Stable under recommended storage conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Gives off hydrogen by reaction with metals. Corrosive in contact with metals.

10.4 Conditions to avoid
Heat Impurities

10.5 Incompatible materials
Materials to avoid: Reducing agents. Keep away from combustible material.

10.6 Hazardous decomposition products
Nitrous gases, hydrogen products.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

No data available	No data available
Dermal :	No data available
Inhalation :	No data available
Skin Irritation :	Causes severe burns
Eye Damage :	Causes eye burns
Respiratory :	No data available
Acute Toxicity - Oral :	No data available
Carcinogenicity :	No data available

Other relevant toxicity information :

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. Inhalation of vapours in high concentration may cause shortness of breath (lung oedema).

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity
Ecotoxicity effects : Fish LC50 : 12.5 mg/l (rainbow trout) 96h

12.2 Persistence and degradability
The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bio accumulative potential
Does not bioaccumulate.

12.4 Mobility in soil
Not expected to absorb on soil. The product is water soluble.

12.5 Results of PBT and vPvB assessment

The PBT or cPvB criteria of Annex XIII to the REACH Regulation does not apply to inorganic substances.

12.6 Other adverse effects

Harmful effects to aquatic organisms due to pH-shift. Neutralization is normally necessary before waste water is discharged into water treatment plants. Do not flush into surface water or sanitary sewer system.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains.

N.B : The user attention is drawn to the existence of regional or national regulations regarding disposal.

SECTION 14 : TRANSPORT INFORMATION

14.1	UN Number :	UN2031
14.2	UN Proper Shipping Name :	Nitric Acid
14.3	Transport Hazard Class(es) :	8
14.4	Packing Group :	II
14.5	Environmental Hazards :	No

SECTION 15 : REGULATORY INFORMATION

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture:

The regulatory information given above only indicates their principal regulations specifically applicable to the product described in the safety data sheet. The users attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SECTION 16 : OTHER INFORMATION

Full text R-Phrases used in S2 & S3

R8 - Contact with combustible material may cause fire.

R35 - Causes severe burns.

Full text of H-Statements used in S2 & S3

H272 - May intensify fire; oxidizer

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

Legal Disclaimer : 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.

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