TOURMALINE / ANTIQUING PATINATION FLUID – BLACK

PRODUCT DESCRIPTION

Antiquing Fluid – Black, 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 - Black
Composition / Ingredients: Selenium Compound Liquid

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

Physical Hazards

Based on available data, the classification criteria are not met.

Health Hazards

Acute oral toxicity	Category 3
Acute Inhalation Toxicity – Vapours	Category 3
Specific target organ toxicity – (repeated exposure)	Category 2

Environmental Hazards

Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

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

Symbol(s)	T – Toxic N – Dangerous for the environment
R-phrase(s)	R33 – Danger of cumulative effects R23/25 – Toxic by inhalation and if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

H301 - Toxic if swallowed
H331 - Toxic if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P301 + P310:	IF SWALLOWED : Immediately call a POISON CENTER or doctor / physician
P304 + P340:	IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
P260:	Do not breathe dust / fume / gas/ mist / vapours / spray
P273:	Avoid release to the environment

2.3 Other hazards
PBT : This product is not identified as a PBT substance

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Selenium Dioxide

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.
Skin Contact :	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Eye Contact :	Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Ingestion :	Call a physician immediately. Clean mouth with water.
Inhalation :	Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is required.

4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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
Water spray. Carbon dioxide (CO2) Dry chemical. Chemical Foam. Cool closed containers exposed to fire with water spray.

5.2 Special hazards arising from the substance or mixture
Combustible material. Flammable. Containers may explode when heated. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous Combustion Products : Carbon Monoxide (CO), Carbon Dioxide (CO2)

5.3 Advice for fire-fighters
In the event of fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved and equivalent) and full protective gear. 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
Remove all sources of ignition. Take precautionary measures against static discharges
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).
Remove all sources of ignition.

6.4 Reference to other sections
Reference to other sections : Refer to section 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 incapabilities
Keep in a dry, cool and well ventilated place.

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

Selenium Dioxide	STEL : 0.3 mg/m3	15 min
	TWA : 0.1 mg/m3	8 hr

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. Nitrile rubber, Neoprene, Natural rubber, PVC (see manufacturers recommendations for breakthrough time).

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 :	183oC / 361.4oF @ 760 mmHg
Flash Point :	70oC / 158oF

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. Air sensitiv

10.3 Possibility of hazardous reactions
Corrosive in contact with metals.

10.4 Conditions to avoid
Exposure to air. Incompatible products. Heat lmpurities

10.5 Incompatible materials
Materials to avoid : Strong oxidising agents.

10.6 Hazardous decomposition products
Carbon monoxide (CO) Carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

Acute Toxicity – Oral:	Category 3
Dermal :	No data available
Inhalation :	Category 3
Skin Irritation :	Causes severe burns
Eye Damage :	Causes eye burns
Respiratory :	No data available
Carcinogenicity :	No data available. (There are no carcinogenic chemicals in this product).
STOT – repeated exposure :	Category 2

Other relevant toxicity information :

Symptoms / effects both acute and delayed : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity
Ecotoxicity effects : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 Annix 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 :	UN3440
14.2	UN Proper Shipping Name :	Selenium Compound, Liquid, N.O.S
14.3	Tansport Hazard Class(es) :	6.1
14.4	Packing Group :	II
14.5	Environmental Hazards :	Dangerous for the environment. Product is a marine pollutant according to the criteria set by IMDG/IMO

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.

5.2 Chemical Safety Assessment
Chemical Safety Assessment : A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 : OTHER INFORMATION

Full text R-Phrases used in S2 & S3
R33 – Danger of cumulative effects
R23/25 – Toxic by inhalation and if swallowed
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements used in S2 & S3
H301 - Toxic if swallowed
H331 – Toxic if inhaled
H400 – Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects.

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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