Restoration Materials

CURATOR ANTIQUING GEL BLACK

1. Product Identifier

Product Name:

2. Relevant identified uses of the substance or mixture and uses advised against

Use as supplied. PC14: Metal surface treatment products PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC19: Hand-mixing with intimate contact and only PPE available ERC5: Industrial use resulting in inclusion into or onto a matrix.

3. Details of the supplier of the safety data sheet

Company Name : Address:	Restoration Materials Unit 6, Deanfield Drive, Link 59 Business Park, Clitheroe, Lancashire. BB7 1QJ
Tel:	01200 425443
Email:	info@priorypolishes.co.uk

SECTION 2 : HAZARDS IDENTIFICATION

2.1 **Classifications of the substance or mixture**
Classification under CLP : STOT RE 1: H372; Aquatic Chronic 2: H411; Carc. 1Ai: H350i; Eye Irrit. 2: H319; Muta. 2: H341; Repr. 1B: H360FD; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; Met. Corr. 1: H290; -: EUH208.

Most important adverse effects:
May be corrosive to metals. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects (Perinatal lethality. Route of exposure inhalation). May cause cancer by inhalation. May damage fertility. May damage
the unborn child. Causes damage to organs (Respiratory tract) through prolonged or repeated exposure ([inhalation (dust/mist/aerosol)]). Toxic to aquatic life with long lasting
effects. Contains Nickel Sulphate. May produce an allergic reaction.

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.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341: Suspected of causing genetic defects (Perinatal lethality. Route of exposure inhalation).
H350i: May cause cancer by inhalation.
H360FD: May damage fertility. May damage the unborn child.
H372: Causes damage to organs (Respiratory tract) through prolonged or repeated exposure ([inhalation (dust/mist/aerosol)]).
H411: Toxic to aquatic life with long lasting effects.
EUH208: Contains Nickel Sulphate. May produce an allergic reaction.

Hazard pictograms:
GHS05: Corrosion

GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental

Precautionary Statements

P201:	Obtain special instructions before use.
P260:	Do not breathe dust/mist/spray.
P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P284:	Wear respiratory protection.
P302+P352:	IF ON SKIN: Wash with plenty of water.
P304+P340:	IF INHALED: Remove person to fresh air and keep 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.
P308+P313:	If exposed or concerned: Get medical advice/attention.
P314:	Get medical advice/attention if you feel unwell.
P321:	Specific treatment (see instructions on this label).
P342+P311:	If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P362+P364:	Take off contaminated clothing and wash it before reuse.

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

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Substances

Selenium Dioxide

Nitric Acid

Copper Sulphate

Nickel Sulphate

Orthophosphoric Acid

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
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

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be pain and redness. May cause permanent damage.
Ingestion: There may be soreness and redness of the mouth and throat. There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.
Delayed / immediate effects: No data available.

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. In combustion emits toxic fumes.

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. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust. 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). Clean-up should be dealt with only by qualified personnel familiar with the specific
substance. 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. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

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 : -	15 min
	TWA : 0.1mg/m3	8 hr
NITRIC ACID...100%	STEL : 2.6 mg/m3	15 min
	TWA : -	8 hr
ORTHOPHOSPHORIC ACID...100%	STEL : 2	15 min
	TWA : 2	8 hr
Copper Sulphate	STEL : 2mg/m3	15 min
	TWA : 0.1mg/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 :	Paste
Appearance :	Blue
Odour :	Perceptible odour. Irritating/Alcoholic.
Solubility in water :	Slightly soluble
Boiling point / range oC :	>35
Flash Point :	>93
Relative density:	1.08
pH:	2.25
Viscosity:	Highly viscous

9.2 Other Information

No Data Available

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 sensitive

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. Strong acids.

10.6 Hazardous decomposition products
In combustion emits toxic fumes.

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

NICKEL SULPHATE

ORAL	RAT	LD50	264 mg/kg

COPPER SULPHATE

ORAL	HMN	LDLO	11 mg/kg
ORAL	RAT	LD50	482 mg/kg

ORTHOPHOSPHORIC ACID…100%

DERMAL	RBT	LD50	2470 mg/kg
ORAL	RAT	LD50	1530 mg/kg

SELENIUM DIOXIDE

ORAL	RAT	LD50	68.1 mg/kg

Other relevant toxicity information :

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be pain and redness. May cause permanent damage.
Ingestion: There may be soreness and redness of the mouth and throat. There may be irritation of the throat. There may be shortness of breath due to congestion of the lungs.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath.
Delayed / immediate effects: No data available.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

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

NICKEL SULPHATE

ALGAE	72H ErC50	6.03	mg/l
ALGAE	96H LC50	18.4	mg/l
DAPHNIA	48H EC50	2.72	mg/l
FISH	96H LC50	14.7	mg/l

COPPER SULPHATE

ORAL	48H EC50	0.1	mg/l
ORAL	48H EC50	2.44	mg/l
DAPHNIA MAGNA	96H LC50	0.1	mg/l
DAPHNIA MAGNA	96H LC50	810	µg/l

SELENIUM DIOXIDE

ALGAE	72H ErC50	0.9	mg/l
DAPHNIA	48H EC50	4.8	mg/l
FISH	96H LC50	7.46	mg/l

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

Negligible ecotoxicity. 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.

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
Waste code number: 11 01 98
Disposal of packaging: Arrange for collection by specialised disposal company.

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 :	UN3260
14.2	UN Proper Shipping	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
14.3	Tansport Hazard Class(es) :	8
14.4	Packing Group :	III
14.5	Environmental Hazards :	Dangerous for the environment. Product is a marine pollutant
14.6.	Special precautions for user	No special precautions.
14.6	Tunnel code:	E
14.6	Transport category:	3
14.6	IMDG seg. group:	ACIDS

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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.
EUH071: Corrosive to the respiratory tract.
EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

Full text of H-Statements used in S2 & S3
H272: May intensify fire; oxidiser.
H290: May be corrosive to metals.
H301 - Toxic if swallowed
H331 – Toxic if inhaled
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341: Suspected of causing genetic defects
H350i: May cause cancer by inhalation.
H360D: May damage the unborn child.
H360FD: May damage fertility.
H372: Causes damage to organs

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H373: May cause damage to organs
H400 – Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects.
H411: 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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