PRODUCT SAFETY DATA SHEET

CURATOR ANTIQUING FLUID – OLD ENGLISH BRASS

PRODUCT DESCRIPTION

Antiquing Fluid – Old English Brass, 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 first. Thoroughly remove and clean any grease or oil, including fingerprints with Curator Cold Patination Pre-Treatment, and wipe dry. Proper preparation of the surface is essential to produce a uniform colour. Dilute with 10 parts water and immerse items together to ensure a uniform colour change. For larger items apply Antiquing Fluid directly on to the item using either cotton wool or a brush and watch the surface quickly change colour. When the desired colour is achieved, immediately rinse with clean water and pat dry with paper towel. After treating with Antiquing Fluid, items can be sealed with a finishing wax, oil or appropriate 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: Curator Antiquing Fluid – Old English Brass
Composition / Ingredients: Hydrochloric Acid 25 – 38%
EU REACH Reg. No : 01-2119484862-27-xxxx
CAS No : 7647-01-0
EC No : 231-595-7

1.2 Relevant identified uses of the substance or mixture and uses advised against At this moment we have not identified any 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

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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 1B H314
Specific target organ toxicity – single exposure - Category 3 Respiratory System H335

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

Most important adverse effects
Human Health : See Section 11 for toxicological information.
Physical & Chemical Hazards : See Section 9/10 for physicochemical information.
Potential environmental effects : See Section 12 for environmental information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Signal Word **: DANGER**

Hazard Statements
H290 : May be corrosive to metals
H314 : Causes severe skin burns and eye damage.
H335 : May cause respiratory irritation

Precautionary Statements
P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P305+P351+P338 : IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340+P310 : IF INHALED : Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE / doctor.
P501 : Dispose of contents / container in accordance with the local / regional / International regulations
Hazardous components which must be listed on the label : hydrochloric acid

2.3 Other hazards

For results of PBT and vPvB assessment see section 12.5

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

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3.1 Substances

Chemical Nature : Aqueous Solution / Hydrochloric Acid >=25 - <=38% Stot SE3 H335 CAS No : 7647-01-0
Skin Corr. 1B H314 EC-No. : 231-595-7
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.
Inhalation : In case of accident by inhalation : remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
Skin Contact : Wash off immediately with plenty of water Call a physician immediately.
Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
Ingestion : Rinse mouth with 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 : Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.
Effects : Extremely corrosive and destructive to tissue. If ingested severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

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.

Unsuitable extinguishing media : High volume water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : The product itself does not burn. . Contact with metals liberates hydrogen gas.
Hazardous combustion products : Hydrogen chloride gas.

5.3 Advice for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit) Control smoke 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 away unprotected persons. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe gas / fumes / vapour / spray.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders) Keep in suitable closed containers for disposal.

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. Ensure adequate ventilation. 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.

7.2 Conditions for safe storage, including any incompatibilities

Keep in an area equipped with acid resistant flooring. Keep only in the original container. Suitable materials for containers : Polyethylene, Polypropylene. Unsuitable materials for containers : metals. Normal measures for preventive fire protection.
Storage : Keep tightly closed in a dry and cool place. Keep in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep away from metals

7.3 Specific end use(s)

No information available.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Hydrochloric Acid

DNEL (Derived No Effect Level) - Workers, Acute local effects inhalation : 15 mg/m3, Workers, Long-term – local effects, Inhalation : 8 mg/m3,

Other Occupational Exposure Limit Values
UK. EH40 Workplace Exposure Limits (WELs), Short Term Exposure Limit (STEL):, Gas and aerosol mists. 5 ppm, 8 mg/m3
UK. EH40 Workplace Exposure Limits (WELs), Time Weighted Average (TWA):, Gas and aerosol mists. 1 ppm, 2 mg/m3
EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, Time Weighted Average (TWA): 5 ppm, 8 mg/m3 Indicative

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, Short Term Exposure Limit (STEL): 10 ppm, 15 mg/m3 Indicative ELV (IE), Short Term Exposure Limit (STEL): 10 ppm, 15 mg/m3 Indicative OELV ELV (IE), Time Weighted Average (TWA): 5 ppm, 8 mg/m3 Indicative OELV

8.2 Exposure controls

Appropriate Engineering Controls : 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 acid resistant protective clothing.

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. If material reaches soil inform authorities for such cases.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State : Liquid
Appearance : Blue
Odour : Mild
pH : < 1 (20°C)
Solubility in water : Miscible
Boiling point / range °C 80°C 32% solution
45°C 37% solution
Flash Point : Not applicable
Oxidizing Properties : No data available
Explosivity : Product is not explosive
Freezing Point / Range -42°C 32% solution
-29°C 37% solution
Vapour Pressure : 30 hPa (20°C) 30% solution
200 hPa (20°C) 37% solution
Thermal Composition : Heating can release hazardous gases

9.2 Other Information

Corrosion to metals : Corrosive to metals.

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SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity : No decomposition if used as directed.

10.2 Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Gives off hydrogen by reaction with metals.

10.4 Conditions to avoid

Protect from frost, heat and sunlight. Heating can release hazardous gases.

10.5 Incompatible materials

Materials to avoid : Metals, Oxidizing agents, Reducing agents, perchlorates, Sulphides, Peroxides, Nitrates.

10.6 Hazardous decomposition products

Hydrogen chloride gas.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product Information

a) Acute Toxicity - Oral : LD 50 : 2222 mg/kg (Rat) Calculation method)
Dermal : No data available
Inhalation : No data available
Skin Irritation : Causes severe burns
Eye Damage : Causes eye burns
Respiratory : 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.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

Acute aquatic toxicity : The product is not classified as dangerous for the environment.

12.2 Persistence and degradability

The product is water soluble. The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bio accumulative potential

Bioaccumulation is not expected.

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. Avoid subsoil penetration. 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. Contact waste disposal services. N.B : The users attention is drawn to the existence of regional or national regulations regarding disposal.

SECTION 14 : TRANSPORT INFORMATION

14.1 UN Number : UN1789
14.2 UN Proper Shipping Name : Hydrochloric 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 of H-Statements used in S2 & S3

H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation.

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.