

PRODUCT SAFETY DATA SHEET

CURATOR ANTIQUING FLUID - BROWN

Product Description

A cold patination treatment which will colour new or bright brass, copper or 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 cold patination treatment and wipe dry. Proper preparation of the surface is essential to produce a uniform colour. 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. Alternatively dilute with 10 parts water and immerse items together to ensure a uniform colour change.

(1) **IDENTIFICATION**

Product Name: Curator Antiquing Fluid - Brown
Supplier: Horological Solvents,
Barnside, 194 Wellington Road, Bury, Lancs. BL9 9AH
Tel: 0161 764 2741

(2) **COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name : Nitric Acid 20 – 70%
Cas No : 7697-37-2
Symbol: C
EC No : 231-714-2
Risk Phrases : R20/22, R33
R35, R51/53

(3) **HAZARDS IDENTIFICATION**

Human health hazards : Causes severe burns to all parts of the body. Vapour is corrosive to the respiratory tract.

(4) **FIRST AID MEASURES**

Inhalation : Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical attention.

Ingestion : Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.

Skin Contact : Immediately flood the skin with large quantities of water, preferably under a shower. Remove contaminated clothing as washing proceeds. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or irritation persists.

Eye Contact : Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Obtain medical attention urgently.

(5) **FIRE FIGHTING MEASURES**

Extinguishing Media Suitable : Water spray or dry powder.

Unusual fire / explosion Hazards Hazardous Combustion Products : Oxides of nitrogen.

Special fire-fighting Procedures Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters. Wear full protective clothing and self-contained breathing apparatus.

(6) **ACCIDENTAL RELEASE**

Personal Precautions : Wear appropriate protective clothing (PPE)

Environmental precautions: Do not allow untreated material to contaminate drains, sewers or watercourses.

Cleanup Methods : Contain or absorb material with a non-combustible absorbent. Transfer where possible to salvage containers. Neutralise with lime or soda ash and run to drain with plenty of water.

(7) **HANDLING & STORAGE**

Handling : Use in well ventilated area. LEV may be required in dusty environments. Avoid contact with skin and eyes. Do not breathe fumes.

Storage : Storage area should be : cool and dry.

Packing materials

Recommended use : Use original container, Stainless Steel or Titanium.

(8) **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Hygiene Measures : Wash hands after handling compounds and before eating, smoking, using lavatory and at the end of the day.

Occupational exposure limits : 2ppm (5mg/m³) 8h TWA, 4ppm (10mg/m³), STEL
TYPE : OES

Personal protection

Respiratory system : Type approved RPE for acidic oxidising vapours if required.

Skin and body : Wear : PVC overalls and acid resistant boots.

Hands : Acid resistant gloves.

Eyes : Chemical goggles or full face shield.

(9) **PHYSICAL & CHEMICAL PROPERTIES**

Physical State : Liquid

Colour : Blue

Odour : Slight pungent odour with concentrate

Density : > S.G. 1.00

Solubility : Completely soluble in water.

PH : < 2.0

Flash Point : Not available

(10) **STABILITY & REACTIVITY**

Known Hazardous Reactions : Contact with combustible material may cause fire. May react violently with reducing agents, strong bases, organic materials, finely powdered metals, chlorates and carbides. Reaction with most metals liberates toxic nitrogen oxides and hydrogen.

Hazardous decomposition product Oxides of nitrogen

(11) **TOXICOLOGICAL INFORMATION**

Local effects : Causes severe burns to skin, eyes and mucous membranes. Fumes are corrosive to the respiratory tract, pulmonary oedema may occur upto 48 hours after exposure and may prove fatal.

(12) **ECOLOGICAL INFORMATION**

Ecotoxicity : Product is soluble in water. High mobility in soil. Evidence of slow degradation in solid and water. Low bio accumulative potential. Harmful to aquatic organisms. Can cause damage to vegetation.

(13) **DISPOSAL**

Methods of Disposal: Dispose of in accordance with all applicable local and national regulations.

(14) **TRANSPORT INFORMATION**

International Transport UN No : 2031 Class 8, 2^o(b) Packing Group : II
Emergency Action Code : 2 P E HI No: 80

(15) **REGULATORY INFORMATION**

EU Regulations

Hazard Symbol(s)



Classification : Corrosive
Risk Phrases : R20/22 Harmful by inhalation and if swallowed
R33 Danger of cumulative effects
R35 Causes severe burns
R51/53 Very toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment.

Safety Phrases : S2 Keep out of the reach of children.
S20/21 When using do not eat, drink or smoke
S24/25 Avoid contact with skin and eyes
S28 After contact with skin wash immediately with plenty of water and soap.
S29 Do not empty into drains.
S36/37 Wear suitable protective clothing and gloves.
S46 If swallowed seek medical advice immediately and show container or label.
S51 Use only in well ventilated area.

Product Use : Classification and labelling have been performed according to EU directives 76/548/EEC,88/379/EEC, including amendments and the intended use.
- Consumer applications.

(16) **OTHER INFORMATION**

Date of Issue : 05/01/09

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