

# PRODUCT SAFETY DATA SHEET

## 1 Identification of Substance:

### ANTIQUING FLUID "BLACK"

**Supplier:**

JOHN PENNY RESTORATION LTD  
Unit 10, City Industrial Park  
Southern Road  
Southampton  
Hampshire  
Tel: 0044 (0)2380 232066  
Email: mail@jpennyltd.co.uk

## 2 Composition:

**Chemical name:** Selenious Acid, solution.

**CAS No.:** 2179-79-5 **EC No.:** 209-807-4

**Symbol:** T **R-Phrases:** R23 R25 R33

## 3 Hazards Identification:

**Human health hazards:** Toxic by inhalation and if swallowed.

## 4 First Aid Measures:

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Supply fresh air; consult a doctor in case of complaints.

Transfer to hospital as soon as possible.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Transfer to hospital as soon as possible.

Wash out mouth with water.

**Skin Contact:** Transfer to hospital if there are burns or symptoms of poisoning.

Wash immediately with plenty of soap and water.

**Eye Contact:** Rinse opened eye for several minutes under running water.

Transfer to hospital for specialist examination.

## 5 Fire Fighting Measures:

**Extinguishing Media**

**Suitable:** Carbon Dioxide, Dry Chemical.

**Unusual fire/explosion:** Toxic. In combustion toxic fumes may form.

**Hazards**

**Hazardous thermal:** In case of combustion evolution of dangerous gases possible.

**(de)composition**

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

## 6 Accidental Release Measures:

**Personal Precautions:** Refer to protective measures listed in sections 7 and 8. Remove persons to safety. Avoid dust formation. Use breathing apparatus if exposed to vapours/dust/aerosol.

**Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.

**and cleanup methods**

Advise authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation. Pick up mechanically. Send in suitable containers for recovery or disposal.

## 7 Handling and Storage:

**Handling:** Use in well ventilated area. Avoid contact with eyes, skin and clothing. Emergency shower and eye wash facilities should be readily available. Product is hygroscopic.

**Storage:** Storage area should be: cool, under cover, well ventilated and dry. Store away from sources of heat or ignition. Water contamination should be avoided. Do not store with food stuffs. Keep away from water

**Packing materials**

**Recommended use:** Use original closed container.

## 8 Exposure Controls & Personal Protection:

**Engineering measures:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.

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

**Occupational exposure limits:** OES/EH40 Metal

TWA 0.1 mg/m<sup>3</sup>

**Personal protective equipment**

**Respiratory system:** If workplace exposure limits are exceeded, a respirations protection approved for this particular job must be worn. Short term: filter apparatus, Filter P3.

**Skin and body:** Clothing as necessary in the chemical industry.

**Hands:** Rubber gloves.

**Eyes:** Tightly fitting safety glasses.

## 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:**

**Stability:** The product is stable.

**Conditions to avoid:** No specific conditions to avoid.

**Materials to avoid:** Oxidising Agents.

**Hazardous decomposition:** In combustion emits toxic fumes.  
products

## **11 Toxicological Information:**

**Local effects**

**Eye irritation:** Very hazardous in case of eye contact (irritant). Has a caustic effect.

**Acute toxicity:** Not Known

## **12 Ecological Information:**

**Ecotoxicity:** Do not discharge into the drains and do not store on public depositories.

## **13 Disposal Considerations:**

**Methods of disposal:** Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

**Waste of Residues;** Contaminated packaging should be emptied as far as possible and after appropriate

**Contaminated packaging:** cleansing may be taken for refuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## **14 Transport Information:**

**International transport regulations**

**UN number:** 3440

**UN Proper Shipping Name:** Selenium Compound, Liquid. N.O.S

**Class:** 6.1

**Label:** 6.1

**Packing Group:** II

## **15 Regulatory Information:**

**EU Regulations**

**Hazard symbol(s):**

**Classification:** Toxic

**Risk Phrases:** R23 Toxic by inhalation

R25 Toxic if swallowed.

R33 Danger of cumulative effects.

**Product Use:** The information contained in this data sheet does not constitute an assessment of workplace risk.

## **16 Other Information:**

**Date of issue:** 01/10/2013

**Date of previous issue:** 13/01/2009

**Issue number:** 6

**Notice to reader**

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# PRODUCT SAFETY DATA SHEET

## 1 Identification of Substance:

### ANTIQUING FLUID "BROWN"

#### Supplier:

JOHN PENNY RESTORATION LTD  
Unit 10, City Industrial Park  
Southern Road  
Southampton  
Hampshire  
Tel: 0044 (0)2380 232066  
Email: mail@jpennyltd.co.uk

## 2 Composition:

**Chemical name:** Nitric Acid 20 – 70%  
**CAS No.:** 7697-37-2 **EC No.:** 231-714-2  
**Symbol:** C **R-Phrases:** R35

## 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:** Hazardous Combustion Products: Oxides of nitrogen.

#### Hazards

**Hazardous thermal:**

#### (de)composition

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

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

## 6 Accidental Release Measures:

**Personal Precautions:** Wear appropriate protective clothing (PPE).

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

**Engineering measures:** Provide exhaust ventilation or other engineering controls if necessary to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.

**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/m<sup>3</sup>), 8h TWA; 4ppm (10 mg/m<sup>3</sup>), STEL TYPE: OES

#### Personal protective equipment

**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:** Oxides of nitrogen products

## 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 soil and water. Low bio accumulative potential. Harmful to aquatic organisms. Can cause damage to vegetation.

## 13 Disposal Considerations:

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

**Waste of Residues;**

**Contaminated packaging**

## 14 Transport Information:

**International transport regulations**

**UN:** 2031 **Class:** 8, 2°(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:** R35 Causes severe burns

**Safety Phrases:** S23 - 26 - 36 - 45 Do not breathe fumes/vapour. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

**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:** 01/01/2008

**Date of previous issue:** 01/04/2005

**Issue number:** 5

**Notice to reader**

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# PRODUCT SAFETY DATA SHEET

## 1 Identification of Substance:

### ANTIQUING FLUID NICKEL BLACK

#### Supplier:

JOHN PENNY RESTORATION LTD  
Unit 10, City Industrial Park  
Southern Road  
Southampton  
Hampshire  
Tel: 0044 (0)2380 232066  
Email: mail@jppenny ltd.co.uk

## 2 Composition:

**Chemical name:** Selenious Acid, solution.

**CAS No.:** 2179-79-5 **EC No.:** 209-807-4

**Symbol:** T **R-Phrases:** R23 R25 R33

## 3 Hazards Identification:

**Human health hazards:** Toxic by inhalation and if swallowed.

## 4 First Aid Measures:

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Supply fresh air; consult a doctor in case of complaints.

Transfer to hospital as soon as possible.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Transfer to hospital as soon as possible.

Wash out mouth with water.

**Skin Contact:** Transfer to hospital if there are burns or symptoms of poisoning.

Wash immediately with plenty of soap and water.

**Eye Contact:** Rinse opened eye for several minutes under running water.

Transfer to hospital for specialist examination.

## 5 Fire Fighting Measures:

#### Extinguishing Media

**Suitable:** Carbon Dioxide, Dry Chemical.

**Unusual fire/explosion:** Toxic. In combustion toxic fumes may form.

#### Hazards

**Hazardous thermal:** In case of combustion evolution of dangerous gases possible.

#### (de)composition

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

## 6 Accidental Release Measures:

**Personal Precautions:** Refer to protective measures listed in sections 7 and 8. Remove persons to safety. Avoid dust formation. Use breathing apparatus if exposed to vapours/dust/aerosol.

**Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.

#### and cleanup methods

Advise authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation. Pick up mechanically. Send in suitable containers for recovery or disposal.

## 7 Handling and Storage:

**Handling:** Use in well ventilated area. Avoid contact with eyes, skin and clothing. Emergency shower and eye wash facilities should be readily available. Product is hygroscopic.

**Storage:** Storage area should be: cool, under cover, well ventilated and dry. Store away from

sources of heat or ignition. Water contamination should be avoided. Do not store with

food stuffs. Keep away from water

#### Packing materials

**Recommended use:** Use original closed container.

## 8 Exposure Controls & Personal Protection:

**Engineering measures:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.

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

**Occupational exposure limits:** OES/EH40 Metal

TWA 0.1 mg/m<sup>3</sup>

#### Personal protective equipment

**Respiratory system:** If workplace exposure limits are exceeded, a respirations protection approved for this particular job must be worn. Short term: filter apparatus, Filter P3.

**Skin and body:** Clothing as necessary in the chemical industry.

**Hands:** Rubber gloves.

**Eyes:** Tightly fitting safety glasses.

## 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:**

**Stability:** The product is stable.

**Conditions to avoid:** No specific conditions to avoid.

**Materials to avoid:** Oxidising Agents.

**Hazardous decomposition:** In combustion emits toxic fumes.

products

## **11 Toxicological Information:**

**Local effects**

**Eye irritation:** Very hazardous in case of eye contact (irritant). Has a caustic effect.

**Acute toxicity:** Not Known

## **12 Ecological Information:**

**Ecotoxicity:** Do not discharge into the drains and do not store on public depositories.

## **13 Disposal Considerations:**

**Methods of disposal:** Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

**Waste of Residues;** Contaminated packaging should be emptied as far as possible and after appropriate

**Contaminated packaging:** cleansing may be taken for refuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## **14 Transport Information:**

**International transport regulations**

**UN number:** 3440

**UN Proper Shipping Name:** Selenium Compound, Liquid. N.O.S

**Class:** 6.1

**Label:** 6.1

**Packing Group:** II

## **15 Regulatory Information:**

**EU Regulations**

**Hazard symbol(s):**

**Classification:** Toxic

**Risk Phrases:** R23 Toxic by inhalation

R25 Toxic if swallowed.

R33 Danger of cumulative effects.

**Product Use:** The information contained in this data sheet does not constitute an assessment of workplace risk.

## **16 Other Information:**

**Date of issue:** 01/10/2013

**Date of previous issue:** 13/01/2009

**Issue number:** 6

**Notice to reader**

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# PRODUCT SAFETY DATA SHEET

## 1 Identification of Substance:

### ANTIQUING FLUID LEAD BLACK

#### Supplier:

JOHN PENNY RESTORATION LTD  
Unit 10, City Industrial Park  
Southern Road  
Southampton  
Hampshire  
Tel: 0044 (0)2380 232066  
Email: mail@jpennyLtd.co.uk

## 2 Composition:

**Chemical name:** Silver Nitrate.

**CAS No.:** 7761-88-8 **EC No.:** N/A

**Symbol:** Very Toxic **R-Phrases:** R8, R26/27/28, R34

## 3 Hazards Identification:

**Human health hazards:** Very Toxic, Oxidising Agent, Corrosive.

## 4 First Aid Measures:

**Inhalation:** Remove to fresh air. In cases of serious discomfort seek medical attention.

**Ingestion:** Drink plenty of water. Seek urgent medical attention and show physician the container details.

**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. In case of skin damage seek urgent medical advice. Show physician container details.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes.

Seek urgent medical attention

## 5 Fire Fighting Measures:

#### Extinguishing Media

**Suitable:** CO2, Dry powder.

**Unusual fire/explosion:** N/A

#### Hazards

**Hazardous thermal:** Oxides of Nitrogen, Nitric Acid.

#### (de)composition

**Special fire-fighting:** Fire fighters should wear self-contained positive pressure breathing

**procedures** apparatus (SCBA) and full turnout gear.

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

## **6 Accidental Release Measures:**

**Personal Precautions:** Avoid inhalation or contact of spilled material with skin or clothing. Wear protective equipment including rubber gloves and eye protection. Keep unprotected persons away.

**Environmental precautions:** Avoid subsoil penetration. Do not let product enter drains.

### **and cleanup methods**

Soak up with inert absorbent material (Clay) (ie. Alfagrit, obtainable from Armack Chemicals). Shovel into suitable container for disposal.

## **7 Handling and Storage:**

### **Handling:**

**Storage:** Storage area should be: cool, under cover, well ventilated and dry. Store away from sources of heat or ignition. Water contamination should be avoided. Do not store with foodstuffs.

### **Packing materials**

**Recommended use:** Use original closed container, or polyethylene containers.

## **8 Exposure Controls & Personal Protection:**

**Engineering measures:** Ensure that eyewash stations and safety showers are close to the workstation location.

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

**Occupational exposure limits:** Not applicable.

### **Personal protective equipment**

**Respiratory system:** Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

**Skin and body:** Corrosive product. Avoid skin contact. Wear corrosive resistant gloves and, for larger quantities, full arm and body protection. Wash hands thoroughly after handling.

**Hands:** Rubber gloves.

**Eyes:** Avoid eye contact. Tightly fitting safety glasses.

## **9 Physical & Chemical Properties:**

**Physical state:** Liquid.

**Colour:** Light to grey clear.

**Odour:** Ammonia.

**Density:** SG 1.00

**Solubility:** Completely soluble in water.

**PH:** <10.0

**Boiling point:** 100°C

**Oxidising Properties:** Mild oxidising agent.



## 10 Stability & Reactivity:

**Stability:** The product is stable at normal conditions.

**Conditions to avoid:** High temperatures.

**Materials to avoid:** Strong bases. Strong Reducing agents. Alcohols. Magnesium. Ammonia

**Hazardous decomposition:** If heated to dryness, oxides of nitrogen, nitric acid.

products

## 11 Toxicological Information:

**Local effects**

**RTECS No.** VW4275000

**Acute toxicity:** LD50: ORL-MUS 50mg/kg

LC50: Not available.

**Chronic Toxicity:** Possible mutagen.

## 12 Ecological Information:

**Ecotoxicity:** Take care to prevent chemicals from entering the ground, watercourses and drainage systems.

## 13 Disposal Considerations:

**Methods of disposal:** Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

**Waste of Residues;** Contaminated packaging should be emptied as far as possible and after appropriate

**Contaminated packaging:** cleansing may be taken for refuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

## 14 Transport Information:

**International transport regulations**

**UN number:** 1493

**Class:** 5.1 Packing Group II

**Hazard id. No.:** N/A

**Label:** 5.1

## 15 Regulatory Information:

**EU Regulations**

**Hazard symbol(s):**

**Classification:** Very Toxic, Oxidising Agent, Corrosive

**Risk Phrases:** R8 - Contact with combustible material may cause fire.

R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.

R34 - Causes burns

Safety Phrases: N/A

Product Use: The information contained in this data sheet does not constitute an assessment of workplace risk.

## **16 Other Information:**

Date of issue: 06/08/2008

Date of previous issue: 18/03/1996

Issue number: 5

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