

SAFETY DATA SHEET

ANTIQUING FLUID BLACK

Review date: 16/05/2008

1907/2006/EC - ISO 11014-1

Version: 2-1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

ANTIQUING FLUID BLACK.

Use of the substance/preparation:

Metal Treatment.

Product code nr:

90.

Company/undertaking identification:

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2. HAZARDS IDENTIFICATION

Most important hazards:

Harmful by inhalation and if swallowed.

Danger of cumulative effects.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards:

Affect many metals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation name:

Antiquing Fluid Black

Formula:

FOLSQ08.

Component(s) contributing to the hazard:

- copper sulphate - Id No: 029-004-00-0 - CAS no: 7758-98-7 - EC no: 231-847-6
Conc. wt. (%): $5 < C \leq 10$ - Classification: • Xn; R 22 • Xi; R 36/38 • N; R 50-53 •
- selenium compounds except cadmium sulphoselenide - Id No: 034-002-00-8
Conc. wt. (%): $1 < C \leq 5$ - Classification: • T; R 23/25 • R 33 • N; R 50-53 •
- phosphoric acid, orthophosphoric acid - Id No: 015-011-00-6 - CAS no: 7664-38-2 - EC no: 231-633-2
Conc. wt. (%): $0 < C \leq 1$ - Classification: • C; R 34 •
- nitric acid - Id No: 007-004-00-1 - CAS no: 7697-37-2 - EC no: 231-714-2
Conc. wt. (%): $1 < C \leq 5$ - Classification: • O; R 8 • C; R 35 •

4. FIRST AID MEASURES

General advice:

For symptom description, see item 11.

In case of doubt or persistent symptoms, consult always a physician.

Inhalation:

Take victim to fresh air, in a quiet place, in an half laying position and if necessary take medical advice.

Give oxygen or artificial respiration if necessary.

Skin contact:

Take off immediately all contaminated clothing.

Rinse thoroughly with plenty of water for at least 20 minutes and take medical advice.

Eye contact:

Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

Ingestion:

Never give anything by mouth to an unconscious person.

Rinse mouth, drink a lot of water, do not vomit, keep quiet, and go immediately to hospital or to a doctor.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

The product itself does not burn.

In case of fire in the surroundings: all extinguishing agents allowed: foam, powder, carbon dioxide (CO₂), sand, water spray.

Extinguishing media which must not be used for safety reasons:

Specific method(s):

Use water spray to disperse the vapours.

Specific fire hazard(s):

Concerning product toxicity, see item 11 and about product stability and reactivity see item 10.

In case of fire, corrosive and harmful gases come free.

Possibility to produce hydrogen by corrosion exists (fire and explosion generator).

Special protective equipment for fire-fighters:

Use a self-contained breathing apparatus and also a protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution(s):

Evacuate personnel to a safe area.

Avoid contact with skin, eyes, or clothing.

Concerning personal protective equipment to use, see item 8.

Environmental precaution(s):

Stop leak without risks if possible.

Restrict liquid from spreading over surface with floating screens if possible.

Prevent liquid from entering sewers, watercourses, underground or low areas.

Concerning disposal elimination after cleaning, see item 13.

Method(s) for cleaning up:

Treat vapours with water spray.

Large quantities:

Contain large spillage with sand or earth. Neutralize with soda ash or diluted caustic soda solution and flush with plenty of water.

Small amounts:

Flush contaminated areas with plenty of water.

Dispose as hazardous waste.

7. HANDLING AND STORAGE

Handling:

- Precaution(s):

People with respiration and over sensibility problems are not allowed to work or be exposed to product.

Avoid contact with skin and eyes.

Do not eat, drink and do not smoke in areas where product is used.

Do not add water to product.

Shower, eyes shower and water point in proximity.

Provide sufficient air exchange and/or exhaust.

- Technical condition(s):

Do not use compressed air to fill, handle or work up.

Add ALWAYS product to water for dilution/mixture.

- Safe handling advice(s):

Keep container tightly closed to avoid moisture absorption and contamination.

Open container carefully to avoid spurting.

Storage:

- Precaution(s):

Store always product in container of same material as original container.

Store in a place accessible by authorized persons only.

- Storage condition(s):

Store, if possible, in a cool, well ventilated place away from incompatible materials.

- Separation of incompatible product(s):

Bases, metals, oxidants, flammable products, sulphurs.

- Packaging / tank material:

Plastic packaging is recommended. (PVC, PP, PE) glass.

Coated steel

- Unsuitable packaging materials:

Avoid non protected metal containers.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measure(s): Ensure adequate ventilation, especially in confined areas.
To protect against splashes from pouring.

Exposure limit values

- Exposure limit(s):
- selenium compounds except cadmium sulphoselenide: VME mg = 0,2.
 - phosphoric acid, orthophosphoric acid : VME mg = 1 - VLE mg = 2.
 - nitric acid : VME ppm = 2 - VME mg = 5,2 - VLE ppm = 4 - VLE mg = 10.

Exposure controls: Avoid contact with skin, eyes and clothing.

- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Use a respirator with a vapour cartridge: B.
- Hand protection: Neoprene or natural rubber gloves
- Skin protection: Rubber apron, boots.
- Eye protection: Wear security glasses which protect from splashes.

Hygiene measure(s): Do not eat, drink, or smoke during work.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Appearance: Liquid.
- Colour: Colourless / light yellow.
- Odour: Strong.

Important health, safety and environmental information

- PH: < 4.
- Flash point: No flash.
- Explosion limits: Not applicable.
- Flammability (solid, gas): Not applicable.
- Relative density (water = 1): 1-1.1.
- Water solubility: Completely soluble.
- Fat solubility: Available on request.
- Solvent solubility: Completely miscible with: alcohols, ethers, aromatic hydrocarbons...

10. STABILITY AND REACTIVITY

Conditions to avoid: Stable at normal conditions.

Materials to avoid: Heating can release hazardous gases. Avoid ignition sources.

Material(s) to avoid: Bases, metals, oxidants, sulphurs.

Hazardous decomposition products: Gives off hydrogen by reaction with metals.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

- Inhalation: Cough, respiratory failure, suffocation, bronchitis symptom, oedema of the lungs.
Symptoms of respiratory complications (lung oedema) may occur several hours after.
- Skin contact: Severe skin irritation, burn, redness, dermatitis, necrosis of tissue.
- Eyes contact: Severe eye irritation, acute eye corrosion.
- Ingestion: Burns of the upper digestive and respiratory tracts, abdominal pain, bloody vomiting,
severe damage to the delicate tissue and danger of perforation.

12. ECOLOGICAL INFORMATION

Environmental toxicity: May be dangerous for environment.
Product may not flow into sewer or superficial water.
High concentration in receiving water will injure aquatic life by pH effect.

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13. DISPOSAL CONSIDERATIONS

Waste / unused products:	Must be neutralized before dumping ground. Neutralize with soda ash or diluted caustic soda solution and flush with plenty of water .
Contaminated packaging:	Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
Further information:	None.

14. TRANSPORT INFORMATION

UN number	3264
Land (Road / Railway: ADR/RID)	Class: 8.
IMDG (sea):	8. IMO class: 8.
ICAO/IATA (air):	ICAO/IATA class: 8.
Inland waterways (ADNR):	Class: 8.

15. REGULATORY INFORMATION

EC number:	Not applicable.
Contains:	• selenium compounds except cadmium sulphoselenide
Symbol(s):	Xn - Harmful; N - Dangerous for the environment
R-phrases:	20/22 Harmful by inhalation and if swallowed. 33 Danger of cumulative effects. 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases:	2 Keep out of the reach of children. 20 When using do not eat or drink. 25 Avoid contact with eyes. 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 29 Do not empty into drains. 36/37 Wear suitable protective clothing and gloves. 46 If swallowed, seek medical advice immediately and show this container or label. 49 Keep only in the original container. 51 Use only in well-ventilated areas.

16. OTHER INFORMATION

According legislation(s):	This safety data sheet is in compliance with EEC directives and adaptings: 67/548 and 91/155, 88/379
Important remarks:	No liability will be accepted whatsoever arising out of the use of this information. It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users.
Use of the substance/preparation:	Metal Treatment
Recommended restrictions on use:	This information relates to the specific material designated and may not be valid in combination with other product(s).

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Written by:	Recherche et Sécurité
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