

## 1. IDENTIFICATION OF PREPARATION AND COMPANY

### PRODUCT IDENTIFIER

**Trade name:** Avesta FinishOne Passivator 630  
Avesta FinishOne Passivating Agent 630

### RELEVANT IDENTIFIED USES AND USES ADVISED AGAINST

**Application and use:** Passivation of stainless steel  
**Not to be use on** Other metals than stainless steel

### DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Manufacturer:** **Böhler Welding Group Nordic AB**  
Avesta Finishing Chemicals  
Lodgatan 14, 211 24 MALMÖ, Sweden  
Telephone: +46 (0)40 288 300  
E-mail: [safety@avestafinishing.com](mailto:safety@avestafinishing.com)

### EMERGENCY TELEPHONE NUMBER

+46-8-331 231 (24 hrs)

### MISCELLANEOUS

**Issue date:** **2012-11-26**  
**Version No:** **3**  
**Valid from:** 2012-12-01

## 2. HAZARDS IDENTIFICATION

The product is not classified as hazardous according to current regulations

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### PREPARATION

**Chemical identity:** Colourless, odourless liquid

### INFORMATION ON IGREDIENTS

Hazardous components, chemical name, formula	CAS No.	EC No.	Contents weight-%	Hazard symbol/ Risk phrase*
Hydrogen peroxide,	7722-84-1	231-765-0	<4,5	O, C: R8, R34

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\*The full texts of the phrases are shown in section 16.

Additional information Classification according to directive 67/548/EEC.

Symbols and risk phrases are for concentrated substances.

#### 4. FIRST AID MEASURES

##### DESCRIPTION OF FIRST AID MEASURES AND INDICATION OF IMMEDIATE AND SPECIAL TREATMENT NEEDED

**Inhalation:**

Remove to fresh air.

**Ingestion:**

Drink at once, milk or water to drink. Do not induce vomiting. Seek medical care.

**Skin contact:**

Remove clothes immediately and rinse with plenty of water, seek medical care.

**Eye contact:**

Protect intact eye. Rinse immediately with plenty of water for at least 15 minutes and seek immediate medical care (eye specialist).

**Information for medical care:**

Inform the doctor that the injury has been caused by contact with hydrogen peroxide solution.

##### SYMPTOMS ACUTE AND DELAYED

Not known

#### 5. FIRE FIGHTING MEASURES

##### EXTINGUISHING MEDIA

The most appropriate media to extinguish surrounding fire is water. Do not use foam or dry powder.

##### SPECIAL HAZARDS ARISING FROM THE MIXTURE

**Chemical exposure risks caused by released gases/vapours:**

The product will emit oxygen gas and fumes when exposed to heat/fire.

##### ADVICE FOR FIREFIGHTERS

**Danger of fire/explosion:**

Fluid is non-flammable. Bottles close to fire should be removed or cooled with water.

**Protective clothing for firemen:**

Appropriate protective acid-resistant clothing should be used.

**How to clean or destroy soiled fire equipment:**

Thoroughly wash with water.

#### 6. ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**Personal precautions:**

Avoid direct contact. If there is still a risk of direct contact or stench protect with some form of acid-resistant material. Wear eye protection, skin protection and rubber gloves. Keep working area well ventilated.

**ENVIRONMENTAL PRECAUTIONS****Spillage (water, air, soil):**

Prevent spillage from entering sewage or public waters if the product is not sufficient diluted.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP****Methods for cleaning up:**

Embank with sand. Arrange for pick up. Rinse with plenty of water.

Spillage should be picked up and disposed of in full compliance with federal, state and local regulations.

**REFERENCE TO OTHER SECTIONS**

Handling and storage section 7, exposure control/personal protection section 8 and disposal considerations section 13.

**7. HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING****Technical measures:**

Working place and methods should be worked out in order to avoid direct contact. Work and storage area should be well ventilated.

**To prevent fire and explosion:**

Bottles close to fire should be removed or cooled with water.

**Precautions:**

Emergency eyewash and safety shower must be available at the working place.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES****Technical measures:**

Storage room should be kept separate, cool, dark, dry, well ventilated and closed to unauthorised persons.

**Incompatible products:**

Not applicable

**Storage conditions:**

Keep containers securely closed when not in use and in an upright position. Store in cool and dark areas.

**SPECIFIC END USES**

See section 1. Contact the manufacturer for more information.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION****CONTROL PARAMETERS****Hydrogen Peroxide:**

EU: Not specified

**EXPOSURE CONTROLS****Respiratory protection:**

Gas mask with an appropriate filter should be use.

**Hand protection:**

Acid resistant rubber gloves as Nitrile or Butyl rubber is recommended.

**Eye protection:**

Face shield or safety glasses.

**Skin and body protection:**

Use protective clothes when necessary.

**Specific hygienic measures:**

It is not allowed to eat, drink and smoke at workplace. Wash hands thoroughly after working with chemicals products.

**Environmental exposure controls:** See section 6 and 7.

**9. PHYSICAL AND CHEMICAL PROPERTIES****INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES****Physical state (form, colour, smell) at 20°C:**

Colourless, odourless liquid.

**Boiling point:**

101°C

**Flash point / Explosion properties:**

Not applicable

**Specific temperatures:**

Solid-Fluid-3°C

**Vapour pressure at 20°C:**

2,4 kPa

**pH:**

6,5-7,5 at 20°C

**Density:**

1.0 g/cm<sup>3</sup> at 20°C

**Solubility in water at 20°C:**

100 weight %

**10. STABILITY AND REACTIVITY****REACTIVITY**

Reacts with alkaline and organic substances, heavy metals and UV radiation.

**CHEMICAL STABILITY**

Stable under normal conditions.

**CONDITIONS TO AVOID**

Avoid high temperatures, must not be exposed to direct sunshine.

**INCOMPATIBLE MATERIALS**

Contact with metals (other than stainless steel), salts of metals and alkaline and organic compounds cause decomposition.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Will emit oxygen and hydrogen gas, fumes and heat.

**11. TOXICOLOGICAL INFORMATION**

**INFORMATION ON TOXICOLOGICAL EFFECTS****Toxicity**

Even though the product is not classified as hazardous, it does contain a small percentage of a substance that is corrosive.

**Acute toxicity**

Non data

**Effects on the skin:**

Can give temporary and harmless skin-bleach.

**Effects on the eyes:**

Causes pain and irritation.

**After ingestion:**

Causes illness.

**OTHER RELEVANT INFORMATION****CMR-effects:**

Not known.

**12. ECOLOGICAL INFORMATION****TOXICITY (Hydrogen peroxide):**

Non data

**PERSISTENCE AND DEGRADABILITY**

In contact with water or soil the product will be decomposed to oxygen and water.

**BIOACCUMULATIVE POTENTIAL**

The product is not regarded as bioaccumulative.

**RESULTS OF PBT AND vPvB ASSESSMENT**

Non-current

**OTHER ADVERSE EFFECTS**

Not known.

**13. DISPOSAL CONSIDERATIONS****WASTE TREATMENT METHODS****Methods of disposal the product:**

Discarded product and related waste is hazardous waste. Alloting of EWC-code should be made on the basis of the source causing the waste.

Suggested EWC-code is 16 09 03\* Hydrogen peroxide.

**Waste from residues:**

It may discharge to sewer and water if sufficient diluted.

**Contaminated packing:**

Rinse with plenty of water.

**Additional information:**

Consult with your local authorized and licensed waste disposal agency and ministry of environment for instructions and procedures for approved waste disposal.

**14. TRANSPORT INFORMATION**

The product is not classified as dangerous goods according to transport regulations (ADR/RID; DGR and IMDG code).

## 15. REGULATORY INFORMATION

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

**Regulations:**

1907/2006/EC, 1272/2008/EC Table 3.1, 67/648/EEC, EWC 2000/532/EC

**Other regulations:**

IMDG

ADR/RID

IATA/DGR

**Chemical Safety Assessment:**

Has not been carried out for this product (or substances in the preparation).

## 16. OTHER INFORMATION

### CHANGES MADE SINCE LAST VERSION

Information about labeling moved from section 15 to section 2, information about other hazards in section 2, as well as updating the template according to CLP.

### TRAINING ADVICE

The Avesta Welding "Handbook for the pickling and cleaning of stainless steel" and "Guidelines for Planning and Designing a Pickling Workshop".

### KEY LITERATURE REFERENCES AND SOURCES FOR DATA

Standard Practice for cleaning stainless steel (ASTM-A-380),

Fluorides WHO (Env. Health Criteria 36), International Standard ISO 11014-11

### LIST OF RELEVANT R- AND S-PHRASES, HAZARDS STATEMENTS AND/OR PRECAUTIONARY STATEMENTS IN SECTION 3.

**Risk phrases:**

R 8: Contact with combustible material may cause fire.

R 34: Causes burns.