

1. IDENTIFICATION OF PREPARATION AND COMPANY

Product identifier: Transparent liquid
Trade name: Avesta FinishOne Passivator 630
Application and use: Passivation of stainless steel
Issue date/No: 2010-02-03, 1
Manufacturer: **Böhler Welding Group Nordic AB**
 Avesta Finishing Chemicals
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2. HAZARDS IDENTIFICATION

The product is not classified as hazardous according to current regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Preparation

Chemical nature:

Colourless, odourless liquid.

Hazardous components, chemical name, formula	CAS No.	EC No.	Contents weight-%	Hazard symbol/ Risk phrase*
Hydrogen peroxide, H ₂ O ₂	7722-84-1	231-765-0	<4,5	O, C: R8, R34

*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

Measures to be taken immediately after the following ways of contact with the product:

Inhalation:

Remove to fresh air.

Ingestion:

Drink at once, milk or water. Do not induce vomiting. Seek medical care if more than smaller quantities consumed.

Skin contact:

Rinse with plenty of water.

Eye contact:

Rinse with plenty of water for at least 15 minutes. Seek medical care if inconvenience remains.



5. FIRE FIGHTING MEASURES

Danger of fire/explosion:

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

Extinguishing media:

Water spray. Do not use foam or dry powder.

How to clean or destroy soiled fire equipment:

Thoroughly wash with water.

Protective clothing for firemen:

Normal protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid direct contact. Wear eye-protection. See also section 7 and 8.

Environmental precautions (water, air, soil):

Prevent spillage from entering sewage or public waters.

Methods for cleaning up:

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

Spillage and decontamination:

Spillage should be picked up and disposed of in full compliance with federal, state and local regulations as acid waste. See section 13

7. HANDLING AND STORAGE

Handling

Technical measures:

Working place and methods should be worked out in order to avoid direct contact. Emergency eyewash and safety shower should be available at working place.

Storage

To prevent fire and explosion:

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

Incompatible products:

Not applicable

Storage conditions:

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

Specific use:

Contact manufacturer/supplier for more information.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limits:

Hydrogen peroxide:

CLV 3 mg/m³ (8 hours) LLV 1,4 mg/m³ (15 min).

Engineering controls:

Local exhaust ventilation is recommended. Emergency eyewash and safety shower must be available at the working place.

Personal protective equipment

Respiratory protection:

In bad ventilated areas use a facemask.

Hand protection:

Rubber gloves of i.e. butyl, nitrile is recommended.

Eye protection:

Use safety glasses or Face shield.

Skin and body protection:

Use protective clothing when appropriate.

Environmental exposure controls:

See section 6 and 7.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (form, colour, smell) at 20°C:

Odourless, colourless liquid.

Boiling point:

101°C

Flash point / Explosion properties:

Not applicable

Specific temperatures:

Solid-fluid -3°C

Vapour pressure:

2,4kPa

pH:

6,5-7,5 at 20°C

Density:

1.0 g/cm³ at 20°C

Solubility in water at 20°C:

Completely soluble.



10. STABILITY AND REACTIVITY

Stability:

Stable under normal conditions. Decomposes to water and oxygen when in contact with organic or alkaline substances, heavy metal or UV-radiation.

Material to avoid:

Metals, salts of metals, organic and alkaline substances cause decomposition.

Hazardous decomposition products:

Oxygen gas, fumes and heat.

11. TOXICOLOGICAL INFORMATION

General:

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

Local effects

Effects on the skin:

Can give temporary and harmless skin-bleach.

Effects on the eyes:

Can cause pain and irritation.

After ingestion:

Can cause illness.

CMR-effects:

Not known

12. ECOLOGICAL INFORMATION

Mobility:

Soluble in water

Persistence/degradability:

Decomposes to oxygen and water in soil and water.

Bioaccumulative potential:

The product is not regarded as bioaccumulative.

Results of PBT assessment:

See section 16.

Other adverse effects:

Not known

13. DISPOSAL CONSIDERATIONS

Methods of disposal

Product:

Discarded product and related waste can be hazardous waste. Allotting of EWC-code should be made on the basis of the source causing the waste. Suggested EWC code is 16 09 03* Peroxider, t ex väteperoxid.



Material Safety Data Sheet

FinishOne 630

Waste from residues:

If sufficiently diluted it may be acceptable to discharge to sewer and river.

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

Regulations

Hazard and safety information:

In accordance with KIFS 2005:7.

Chemical Safety Assessment:

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

Classification/markings:

Product is not classified as hazardous according current regulation. However, it does contain a substance ≥ 1 % weight which is classified hazardous and has an occupational exposure limit. This gives the following marking on product:

A safety data sheet will be supplied upon request.

Regulations:

KIFS 2005:7, (EG) 1272/2008, AFS 2005:17

16. OTHER INFORMATION

Training advice:

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

Recommended applications and restrictions:

Only for use on stainless steel, not to be used on other metals.

Basic information sources used to draw up the information cards:

Standard Practice for cleaning stainless steel (ASTM-A-380), International Standard ISO 11014-1

The full texts of the R-phrases in section 3 are:

R 8: Contact with combustible material may cause fire.

R 34: Causes burns.

Changes made since last version:

New layout and doc number

s. 15 – Regulations updated

