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In accordance with: ISO 11014-1 and 2001/58/EC
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1. IDENTIFICATION OF PREPARATION AND COMPANY

Product identifier: Cleaning products for stainless steel
Manufacturer: Avesta Welding AB, Finishing Chemicals
 Lodgatan 14, 211 24 MALMÖ, Sweden
 Telephone: +46 (0)226 82100
Application and use: Cleaning of stainless steel.
Trade name: Avesta OriginalFinish™ -Fingerprint Remover 420

Emergency numbers

Australia	13112 (National) +61-2-98453594 (International)	Italy	+39-2-66101029 (Milan) +39-6-3054343 (Rome)
Canada	+1-613-996666 (Canutreck)	Spain	+34-91-5620420 (Madrid)
France	+33-1-40370404 (Paris) +33-4-72116911 (Lyon)	Sweden	020-996000 (National) +46-8-337043 (International)
Finland	+358-92-414392 (Helsinki)	UK	+44-1-132450530 (Leeds)
Germany	+49-89-19240 (Munich) +49-228-2873211 (Bonn)	USA	800-424-9300 (Chemtrack)

2. INFORMATION ON INGREDIENTS

Preparation

Chemical nature: Alkaline light blue solution.

Hazardous components, chemical name, formula	CAS No.	EEC No.	Contents weight-%	Risk Code/ R-phrase*
Sodium Metasilicate•5H ₂ O	10213-79-3	229-912-9	<0,2	C, R34-37
Nonionic tensides			<5	Xn, R22-41
2-propanol	67-63-0	200-661-7	<10	Xi, F, R11-36-67
Ammonia aqueous, NH ₃	1336-21-6	215-647-6	<5	C, N, R34-50

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

Additional information: Classification according to directive 67/548/EEG.

Symbols and risk phrases are for concentrated substances.

3. HAZARDS IDENTIFICATION

Health hazard in case of accidental exposure (R-phrases): R36 Irritating to eyes. Fumes can irritate respiratory system.

4. FIRST AID MEASURES

Measures to be taken immediately after the following ways of contact.

Inhalation: Fresh air and rest. Rinse nose and mouth with water.

Ingestion: Drink at once water. Seek medical advice.

Skin contact: Rinse immediately with plenty of water.

Eye contact: Rinse immediately and as long as possible with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Always seek medical advice (eye specialist).

5. FIRE FIGHTING MEASURES

Danger of fire/explosion: Non-known.

Extinguishing media: All media.

Protective clothing for firemen: Normal protective clothing.

How to clean or destroy soiled fire equipment: Thoroughly wash with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid direct contact. For personal protection see section 8.

Environmental precautions (water, air, soil): Prevent spillage from entering sewage or public waters.

Methods for cleaning up: Collect as much as possible in a clean container for (preferable) reuse or disposal. Rinse remnant with plenty of water.

7. HANDLING AND STORAGE

Handling

Technical measures: Working place and methods should be worked out in order to avoid direct contact.

To prevent fire and explosion: Not relevant.

Storage

Incompatible products: Not applicable

Storage conditions: Keep containers securely closed when not in use and in an upright position. Store in areas where temperature remains between 0-30 °C at all times.

Shelf life: At least 2 years in unopened bottle correctly stored.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: The usual precautionary measures for handling chemicals should be observed.

Personal protective equipment

Eye protection: Face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Liquid, light blue with minor pungent smell.

Boiling point: 95°C

Melting point: -8°C

Flash point / Explosion properties: Not applicable

pH: 12,4 at 20°C

Density: 1.0 g/cm³ (20 °C)

Solubility in water at 20°C: Completely miscible.

Solubility in organic solvents: Not applicable.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Avoid high temperatures.

11. TOXICOLOGICAL INFORMATION

Local effects

Effects on the skin: Can be degreasing.

Effects on the eyes: Irritating.

After ingestion: Can cause irritation to mucous membranes.

Upon inhalation: Inhalation of fumes or mist might cause irritation.

12. ECOLOGICAL INFORMATION

Environmental effects

No data available.

Degradability: The product is regarded as easily biodegradable based on the chemical properties of the chemicals used.

Bioaccumulation: The product is not regarded as bioaccumulative.

13. DISPOSAL CONSIDERATIONS

Methods of removal

Product: According to local regulations. Contact the manufacturer about recycling.

Contaminated packing: Rinse with plenty of water and if possible reuse.

Additional information: For further advice contact manufacturer.

14. TRANSPORT

No specific precaution

15. REGULATORY INFORMATION

Regulations

No specific regulations.

Danger symbols:



Irritant

Sentences expressing the risks

R 36: Irritating to eyes.

Sentences about safety measures

S 2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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 the cleaning of stainless steel, or according to recommendations of Avesta Welding AB.

Basic information sources used to draw up the information cards: Standard Practice for cleaning stainless steel (ASTM-A-380),

International Standard ISO 11014-11,
Commission Directive 2001/58/EC

The full texts of the R-phrases in section 2 are:

R 11: Highly flammable.

R 22: Harmful if swallowed.

R34: Causes burns.

R36: Irritating to eyes.

R37: Irritating to respiratory system.

R41: Risk of serious damage to eyes.

R50: Very toxic to aquatic organisms.

R67: Vapours may cause drowsiness and dizziness.