

**Safety data sheet**  
according to 1907/2006/EC  
**ASonic ultrasonic cleaning solution for sensitive metals**  
Version: 1 / Revision date 10.06.15. / Printing date 10.06.15.

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

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PRODUCT NAME ASonic ultrasonic cleaning solution for sensitive metals  
AVene d.o.o.  
SUPPLIER Tržaška cesta 134  
1000 Ljubljana  
Slovenia  
Tel: +386.41.566618  
e-mail: info@avene.si  
INTERNAL ID AS-SENS-1, AS-SENS-5  
APPLICATION General Cleaning and Degreasing in ultrasonic cleaners  
SECTOR OF USE Cleaning Product for Professional and Amateur Use  
CONTAINER SIZE 1 litre, 5 litres

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## 2 HAZARDS IDENTIFICATION

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CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to Regulation (EC) No 1272/2008:



GHS 05: Corrosion  
Met Corr. 1 H290 May be corrosive to metals.  
Skin Corr. 1B H314 Causes severe skin burns and eye damage.

INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

CLASSIFICATION SYSTEM:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

LABEL ELEMENTS:

SIGNAL WORD: Danger

HAZARD-DETERMINING COMPONENTS OF LABELLING: Sodium Metasilicate Pentahydrate

HAZARD PICTOGRAMS:



GHS05

HAZARD STATEMENTS:

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 - Immediately call a POISON CENTER or doctor.

P363 - Wash contaminated clothing before reuse.

OTHER HAZARDS - No other hazards have been identified for this product.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION: Mixtures

DESCRIPTION: Concentrated cleaning fluid for use in Ultrasonic Baths.

CAS: 10213-79-3	<b>Sodium Metasilicate Pentahydrate</b> Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE3 (Inhalation) H335;	5-10%
CAS: 67-63-0 EC: 200-661-7 Index: 603-117-00-0	<b>Propan-2-ol</b> Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336;	5-10%
CAS: 66455-14-9	<b>C1213 Alcohol Ethoxylates</b> Eye Damage 1, H318; Acute Tox. 4, H302; Aquatic Chronic 3 (M=1), H412;	<5%
CAS: 111-76-2 EC: 203-905-0 Index: 603-014-00-0	<b>2-Butoxyethanol</b> Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H302; Acute Tox 4, H312;	<5%
CAS: 61789-40-0 EC: 263-058-8	<b>Cocamidopropyl Betaine</b> Skin Irrit. 2, H315; Eye Irrit. 2, H319;	<5%

### 4 FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION Personal protection for the First Aider.

AFTER INHALATION Supply fresh air; consult doctor in case of symptoms.

AFTER SKIN CONTACT - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF ON SKIN: Wash with plenty of soap and water.

AFTER EYE CONTACT - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.

AFTER SWALLOWING - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Bring vomiting person into recovery position. Do not give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Corrosive damage to gastro-intestinal tract.

INFORMATION FOR DOCTOR Probable mucosal damage may contraindicate the use of gastric lavage.

DANGER Danger of gastric perforation.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If swallowed, gastric irrigation with activated carbon. Rinse eyes thoroughly with physiological saline.

### 5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING AGENTS Water spray jet, extinguishing powder, CO<sub>2</sub>, foam. ·

UNSUITABLE EXTINGUISHING AGENTS FOR REASONS OF SAFETY: None

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

In case of fire, toxic incineration products may be released such as: Carbon monoxide (CO) Hydrogen chloride (HCl)

Ammonia (NH<sub>3</sub>) Formaldehyde (HCHO)

ADVICE FOR FIREFIGHTERS

PROTECTIVE EQUIPMENT: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective clothing.

Keep unprotected persons away. When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn. Particular danger of slipping on leaked/spilled product.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains or rivers. Contain the spillage using bunding

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Absorb into dry earth, sand or other inert absorbent material. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**REFERENCE TO OTHER SECTIONS**

None

**7 HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

Ensure good exhaust ventilation at the workplace. It is preferable to handle the product in a closed system. Load carefully, avoid splashes. Risks to the safety and health of workers may not only be created by work involving chemicals but, inter alia by work equipment and the fitting-out of work-places. Those risks shall be identified and evaluated.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in cool, well ventilated area. Keep container tightly closed. Store away from foodstuffs. Protect from excesses of heat and cold.

**SPECIFIC END USE(S)**

No relevant information available

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**CONTROL PARAMATERS**

**COMPONENTS WITH CRITICAL VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:**

111-76-2 2butoxyethanol (<5%)	
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
67-63-0 Propan-2-ol (5-10%)	
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

**EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROLS** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure adequate ventilation of the working area.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**SKIN PROTECTION** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**BODY PROTECTION** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**RESPIRATORY PROTECTION** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

STATE: Liquid

COLOUR: Clear

ODOUR: Slight

SOLUBILITY IN WATER: Highly soluble in water

pH: > 7

FLASH POINT: Not determined

BOILING POINT: Not determined

SPECIFIC GRAVITY: approx 1.0 g/cm<sup>3</sup>

OTHER INFORMATION: No data available

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## 10 STABILITY AND REACTIVITY

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REACTIVITY - Stable under recommended transport or storage conditions. Corrosive action on metals is possible.  
CHEMICAL STABILITY - Stable under normal conditions.  
POSSIBILITY OF HAZARDOUS REACTIONS - Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.  
CONDITIONS TO AVOID - Heat.  
INCOMPATIBLE MATERIALS - Strong oxidising agents. Strong acids.  
HAZARDOUS DECOMPOSITION PRODUCTS - No data available.

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## 11 TOXICOLOGICAL INFORMATION

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### INFORMATION ON TOXICOLOGICAL EFFECTS

#### ACUTE TOXICITY:

LD/LC50 values that are relevant for classification:

Oral ATE mix > 2000 mg/kg (calculated/estimated)

Dermal ATE mix > 2000 mg/kg (calculated/estimated)

#### SYMPTOMS / ROUTES OF EXPOSURE

SKIN CONTACT: There may be irritation and redness at the site of contact.

EYE CONTACT: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

INGESTION: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

INHALATION: There may be irritation of the throat with a feeling of tightness in the chest.

DELAYED / IMMEDIATE EFFECTS: Immediate effects can be expected after short-term exposure.

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## 12 ECOLOGICAL INFORMATION

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TOXICITY ECOTOXICITY - No data available.

PERSISTENCE AND DEGRADABILITY - Biodegradable.

BIOACCUMULATIVE POTENTIAL - No bioaccumulation potential.

MOBILITY IN SOIL - Readily absorbed into soil.

RESULTS OF PBT AND VPOB ASSESSMENT - PBT identification: This product is not identified as a PBT substance.

OTHER ADVERSE EFFECTS - No data available.

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## 13 DISPOSAL CONSIDERATIONS

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### WASTE TREATMENT METHODS

DISPOSAL OPERATIONS: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## 14 TRANSPORT INFORMATION

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UN NUMBER - UN1760

UN PROPER SHIPPING NAME - CORROSIVE LIQUID, N.O.S. (SODIUM METASILICATE PENTAHYDRATE)

TRANSPORT HAZARD CLASS(ES):



Class 8

PACKING GROUP - III

ENVIRONMENTAL HAZARDS

Environmentally hazardous: No

Marine pollutant: No

SPECIAL PRECAUTIONS FOR USER - No special precautions.

Tunnel code: E

Transport category: 3

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## 15 REGULATORY INFORMATION

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SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

CHEMICAL SAFETY ASSESSMENT: A Chemical Safety Assessment has not been carried out.

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## 16 OTHER INFORMATION

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CLARIFICATION OF TERMS USED IN SECTION 3

H225 Highly flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

### DISCLAIMER

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

Product classification has been carried out using: Summation Method

Some values may have been calculated or estimated using appropriate methods. No guarantees are given, express or implied, regarding the accuracy of the data presented.