

CHEMICAL PRODUCT SAFETY DATA SHEET
ACCORDING TO 1907/2006/EK & 830/2015/EK

SECTION 1. Details of substance/preparation and company/business

1.1 Product ID

SILENCIO (AQUA DI ESSO)

1.2 Related specified uses of the substance or mixture and contra-indicated uses

1.2.1 Related Specified Uses

Cleaning fluid for espresso machines

1.2.2 Contra-indicated Uses

Have not been identified

1.3 Details of the supplier of the safety data sheet :

DISPOSAL: C&G SILENCIO KEFALIDIS GEORGIOS,
TRADING

ADDRESS: EL. VENIZELOU 222, KALITHEA ATTICA 17675 /

www.silencio.gr

PHONE: 2109402744

ADA email info@silencio.gr

Emergency phone numbers:

Tel. Poison Center of Athens: 2107793777

Fire Department 199

SECTION 2. Hazard identification

2.1 Classification of the substance or the mixture

2.1.1 Classification according to 1272/2008/EK:

Health risks:

Not classified

Natural hazards:

Not classified

Environmental hazards

Not classified

2.2 Labeling information:

2.2.1 Labeling in accordance with 1272/2008/EK:

Warning words:

None

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Hazard pictograms:

None

Hazard Statements:

None

Precautionary Statements:

Prevention:

P102 - Keep out of children's reach.

Correspondence:

P101 - If you seek medical advice, take the product container with you.

P305 + P351 + P338 - IN CASE OF EYE CONTACT: Rinse carefully with water for several minutes. If you wear contact lenses, remove them if possible. Continue to rinse.

2.2.2 Additional Labeling Elements

Among other things it contains: anionic surfactants below 5%, non-ionic surfactants below 5%, aromatic substances.

2.3 Other risks:

Have not been identified.

SECTION 3. Composition/Substances Information

3.1 Hazardous substances:

Substance	Num. CAS	Num. ES	% <i>w/w</i>	Num. REACH	CLP
sodium sulfate salt, ethoxylated alcohol C12-14	68891-38-3	500-234-8	< 5	01-2119488639-16	H318 H315 H412
Sodium	1310-73-2	215-185-5	< 1	01-2119457892-27-	H314

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Hydroxide					
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Note: where there is no REACH registration number, the filing company is not liable or the import tonnage band does not require registration or the substance is excluded from REACH registration.

3.2 Additional information:

For the full text of H-phrases: See section 16

SECTION 4. First aid procedures

4.1 Description of first aid procedures

Inhale:

Move the person to fresh air. Keep him/her warm and calm and in a resting position.

Loosen tight clothes, tie, strap, belts, collar. Consult your doctor if existing adverse health symptoms persist or are very severe.

Skin contact:

Remove all contaminated clothing immediately. Wash the skin thoroughly with plenty of water.

Consult a doctor if symptoms persist. If there are symptoms or complaints from the victim prevent further exposure. Wash clothes before reuse them.

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Eye contact:

Wash eyes immediately with plenty of water, occasionally lifting upper and lower eyelids.

Remove contact lenses if present. Continue washing for at least 15 minutes.

Consult a doctor if symptoms persist.

Ingestion:

Rinse mouth with water, remove dentures if present, drink 1-2 glasses of water. Do not induce vomiting unless advised to do so by the doctor. Don't give anything by mouth to an unconscious person.

Advice for primary care providers:

When providing medical care, always protect yourself from chemical exposure to substances which transmit diseases through blood, wearing gloves, masks and protective gear for the eyes. If you administer CPR, use mouthpieces, resuscitation bags, pocket masks or other ventilation devices. After you have administered medical care, wash exposed skin with soap and water.

4.2 Most important symptoms and effects, immediate or subsequent:

For the symptoms and effects caused by the substances contained see section 11.

4.3 Indication of any immediate medical attention and special treatment required:

Seek medical attention. Note to physician: treat according to symptoms

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SECTION 5. Fire Fighting Measures

5.1 Fire fighting means:

Suitable extinguishing media:

CO₂, dry chemical, sand, foam, water mist, water jet.

Unsuitable fire extinguishers:

They are not specified.

5.2 Special hazards arising from the substance or mixture:

In a large fire, toxic carbon and nitrogen oxides may form.

5.3 Recommendations for firefighters:

Use a canner to cool containers and prevent decay and creation of substances potentially hazardous to health. Always wear full fire fighting equipment.

Collect the fire extinguishing water so that it is not poured into the sewage system. Discard the contaminated water and residues from the fire according to current regulations.

Protective equipment for firefighters: Special helmet with visor, fire-fighting clothing (flame resistant jacket and trousers, with straps around the arms, legs and waist), gloves (fireproof which do not cut and have dielectric properties), decompression mask that covers the full face of the operator or self-contained breathing apparatus in case of large amount of smoke.

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SEACTION 6 Measures to deal with accidental release

6.1 Personal precautions, protective equipment and emergency procedures:

Stop the leak if there is no risk of exposure. Do not come in contact with damaged containers or leaked product before wearing the appropriate protective equipment. Eliminate all sources of ignition (cigarette, flames, sparks, etc.) from the area of the leak. Unless there are contraindications, spray solid products with water to prevent dust formation. Use breathing apparatus if fumes or powder are released into the air. For information on environmental and health hazards, protection of respiratory tracts, ventilation and personal protective equipment, see other sections.

6.2 Environmental precautions:

Avoid dispersal of leaked material, emptying and contact with the ground, escape into water (underground and land surface), waterways, drainage, sewer. Notify the response authorities if the material has contaminated waterways, sewers, land or air.

6.3 Methods and materials for containment and cleaning up:

Use inert absorbent materials (sand, vermiculite, diatomaceous earth, etc.) to absorb the leaked product. Collect the majority of the remaining material and store it in containers for disposal. If there are no contraindications, use water spray gun to neutralize product residues. Make sure the area with the leak

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is well ventilated. Unsuitable materials must be disposed in accordance with the regulations that defined in section 13.

6.4 Reference to other sections:

See sections 8 and 13 for additional information.

SECTION 7. Operating and Storage

7.1 Precautions for safe operating:

Eating, drinking and smoking are prohibited in the areas where operating, storage or material processing are carried out. Personnel must always wash their hands and face before eating, drinking or smoking. Avoid contact with the eyes, skin or clothes. Do not reuse the containers.

7.2 Conditions for safekeeping, including any incompatibilities:

Keep the product in the original containers, tightly closed. Sensitive to low temperatures (freezing). Store the product at temperatures of 5-40 °C.

7.3 Specific last use or uses:

There is no information.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters:

Occupational exposure limits have not been established for this product.

Occupational exposure limits for product components:

CHEMICAL NAME	GREECE	UNITED KINGDOM
SODIUM HYDROXIDE	TWA2 mg/m ³ STEL 2mg/m ³	STEL 2 mg/m ³

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1310-73-2		
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· DNELs O

SUBSTANCE	APPLICATION	EXPOSURE	EFFECT	CONCENTRATION
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Employee	Skin	Long term exposure - Systemic effects	2750 mg/kg ^{w/w} /day
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Employee	Inhale	Long term exposure - Systemic effects	175 mg/m ³
sodium sulfate salt, ethoxylated alcohol C12- 14 68891-38-3	Employee	Oral	Long term exposure - Systemic effects	1650 mg/kg ^{w/w} /day
Sodium Hydroxide	Employee/ Public	Inhale	Long term exposure -	1 mg/m ³

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1310-73-2			Systemic effects	
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· PNECs

SUBSTANCE		VALUE
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Water (Fresh water)	0,24 mg/L
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Water (Sea water)	0,024 mg/L
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Water (Intermittent release)	0,071 mg/L
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Sediment (Fresh water)	5,45 mg/kg
sodium sulfate salt, ethoxylated alcohol C12-14 68891-38-3	Soil	0,946 mg/kg

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14 68891-38-3		
sodium sulfate salt, ethoxylated alcohol C12- 14 68891-38-3	Sediment (Sea water)	0,545 mg/kg
sodium sulfate salt, ethoxylated alcohol C12- 14 68891-38-3	STP	1000 mg/L

8.2 Exposure control:

As the use of adequate technical equipment should be a priority for the personal protective equipment, make sure the work area is well ventilated. Individual protection means must comply with the rules listed below.

Face/eye protection:

If there is a risk of exposure, protective glasses with side protection must be used, according to approved specifications (EN 166).

Skin protection:

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If there is a risk of exposure, wear Class I occupational protective clothing with long sleeves and safety shoes (Community Directive 89/686/EEC and standard EN 344).

Wash the body with soap and water after removing the protective clothing.

Hands protection:

Protect hands with Class I work gloves (Directive 89/686/EEC and EN 374 standard), such as latex, PVC or equivalent. Consider when choosing work gloves: durability, and penetration. The resistance of the gloves to the product must be checked before use because it can be unpredictable. The endurance limit of gloves depends on the duration of the exposure.

Respiratory protection:

Not required when there is adequate ventilation / ventilation of the work area.

In cases of aerosol use suitable breathing apparatus.

If the limit value, for daily exposure in the workplace or parts of it, for one or more substances present in the product, exceed the limit, wear mask type FFP3 (EN 141 regulation). The use of respiratory protection equipment, such as masks with organic vapors is necessary in the absence of technical measures to limit the employee exposure. In any case the protection provided by the masks is limited. If the substance in question is odorless or the olfactory threshold is higher than the exposure limit and in case of emergency or when the exposure levels are unknown or the ambient oxygen concentration is lower than 17% v/v (volume), use self-contained, open-

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circuit compressed air breathing apparatus (regulation EN 137) or breathing apparatus with fresh air supply tube for use with full or half face mask, or mouthpiece (EN 138 standard). FFP3 type mask (EN 141 regulation)

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Color: Clear colorless liquid

Smell: Organic substance

Odor threshold: Not determined.

pH: 10.5

Alkaline Reserve: 33×10^{-4} gHCl/ 100ml product

Melting point/freezing point: Not determined.

Initial boiling point and boiling range: Not determined.

Evaporation rate: Not determined.

Flammability : Non-flammable liquid

Upper/lower flammability or explosive limits: Not determined.

Vapor pressure: Not determined.

Vapor density: Not determined.

Density (20 °C) : ca. 1.1 g/cm³

Solubility in water: Soluble.

Other solubilities: Not determined.

Auto-ignition temperature: Not determined.

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Decomposition temperature: Not determined.

Viscosity: Not determined.

Explosive properties: The product presents no risk of explosion.

Oxidizing properties: Not determined.

Volatile hydrocarbons: 0.0 % (99/13/EC)

9.2 Other information: No information.

SECTION 10. Stability and potency

10.1 Activity:

There are no particular risks of reaction with other substances under normal conditions of use.

10.2 Chemical stability:

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions:

Hazardous reactions are not expected under normal conditions of use and storage.

10.4 Conditions to avoid:

Do not mix with acids: possible evolution of heat and carbon dioxide.

10.5 Incompatible materials:

Strong acids.

10.6 Hazardous decomposition products:

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In case of thermal decomposition or fire, toxic oxides of carbon and nitrogen, dangerous to health may be released.

SECTION 11. Toxicological information.

According to the data available so far, the product has not caused health problems.

Each case must be handled with care according to the industrial safety regulations.

11.1 Information on toxicological effects:

Toxicological research has not been conducted for this product.

Toxicological effects of the product's components:

Acute toxicity: Oral

LD50/rat = 4100 mg/kg (C12-14, ethoxylated, sulfates, sodium salts) From skin:

LD50/rat > 2000 mg/kg (Alcohols, C12-14, ethoxylated, sulfates, sodium salts)

Acidotoxicity - By mouth: The product is not conventionally classified.

Acute toxicity-dermal: The product is conventionally classified.

Acute toxicity - by inhalation: The product is not conventionally classified.

Skin corrosion / irritation: The product is not conventionally classified.

Serious eye damage/eye irritation: The product is conventionally classified.

Respiratory or skin sensitization: The product is not conventionally classified.

Germ cell mutagenicity: The product is not conventionally classified.

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Carcinogenic properties: The product is not conventionally classified.

Reproductive toxicity: The product is not conventionally classified.

Single exposure STOT: The product is not conventionally classified.

Repeated exposure STOT: The product is not conventionally classified

Effects:

This product may have minor effects on the health of sensitive people by skin absorption or eye contact. Effects due to ingestion may include: headache, vomiting, weakness.

Long-term toxicity: Avoid repeated exposure.

SECTION 12. Ecological information

Use the product in accordance with the best work practices. Avoid waste accumulation. Inform the competent authorities, so that the product does not reach waterways or drains or contaminates soil or vegetation.

12.1 Toxicity:

EC50 Daphnia magna: 7.2 mg/l; 48 h; OECD Test Guideline 202 (Alcohols, C12-14, ethoxylated, sulfates, sodium salts)

12.2 Durability and degradability:

OECD test 301 A > 90% (biodegradation after 28 days)(C12-14, ethoxylated, sulfates, sodium salts)

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12.3 Potential for bioaccumulation:

There is no data.

12.4 Mobility on the ground:

There is no data.

12.5 Results of the PBT and vPvB assessment:

There is no data.

12.6 Other negative effects:

Effect on the ozone layer: No data.

Global warming effect: There are no known effects of this product.

SECTION 13. Disclosure Information

13.1 Waste management disposal:

The generation of waste should be avoided or minimized wherever possible.

The empty containers may contain residue of the product. The material and container must be disposed in a safe manner. The disposal of the product, its solutions and its by-products must always be done in accordance with current legislation. Avoid the dispersal of the spilled material, emptying and coming in contact with soil, waterways, drainage, sewerage. Product residues should not be considered as hazardous wastes.

SECTION 14. Transportation Information

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The general rules of safe transport & safe stacking of the contained liquids apply to all cases. The personnel involved in loading and unloading the merchandise must be trained on all of the functions and elements in case of emergency.

14.1 UN Number

ADR/RID, IATA, IMDG: Not applicable

14.2 Proper shipping name of UN

ADR/RID, IATA, IMDG: Not applicable

14.3 Class / Classes of risk during transport

ADR/RID, IATA, IMDG: Not applicable

14.4 Packing crevice

ADR/RID, IATA, IMDG: Not applicable

14.5 Environmental Hazards

ADR/RID, IATA, IMDG: Not applicable

14.6 Special Precautions for the User

Do not apply

14.7 Bulk carriage in accordance with annex II of the MARPOL73/78 convention and the code IBC

Do not apply

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SECTION 15. Information Regarding Legislation

15.1 Safety, health and environmental regulations/legislation for the substance or the mixture:

Seveso II category: -

Restrictions related to the product or substances contained in accordance with the appendix XVII of EC Regulation 1907/2006: None

Substances on the candidate list (Article 59 of REACH): None

Substances subject to authorization (Annex XIV of REACH): None

648/2004/EC: ANIONIC SURFACTANTS UNDER 5% w/w , NONIONIC SURFACTANTS LESS THAN 5% w/w , AROMATIC SUBSTANCES. The surfactant contents present the predicted biodegradability.

15.2 Chemical safety assessment:

Not required

SECTION 16. Other Information

The full texts of the hazard statements may be found in section 3:

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H318: Causes serious eye damage

H412: Harmful to aquatic organisms, with long-term effects.

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Abbreviations

- ADR: European Agreement concerning the carriage of Dangerous goods by Road - CAS NUMBER: Chemical Abstract Service Number - ACGIH = American Conference of Governmental Industrial Hygienists - CE50: Effective concentration (required to induce a 50% effect) - CE NUMBER: Identifier in ESIS (European archive of existing substances) - CLP: EC Regulation 1272/2008 - DNEL: Derived No Effect Level - EmS: Emergency Schedule - GHS: Globally Harmonized System of classification and labeling of chemicals - IATA DGR: International Air Transport Association Dangerous Goods Regulation - IC50: Immobilization Concentration 50% - IMDG: International Maritime Code for dangerous goods - IMO: International Maritime Organization - INDEX NUMBER: Identifier in Annex VI of CLP - LC50: Lethal Concentration 50% - LD50: Lethal dose 50% - OEL: Occupational Exposure Level - PBT: Persistent bioaccumulative and toxic as REACH Regulation - PEC: Predicted environmental Concentration - PEL: Predicted exposure level - REACH: EC Regulation 1907/2006 - RID: Regulation concerning the international transport of dangerous goods by train - TLV: Threshold Limit Value - TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure. - STEL: Short-term exposure limit - TWA: Time-weighted average exposure limit - VOC: Volatile organic Compounds - vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation

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Note:

This Safety Data Sheet was created in accordance with European Legislation. The information contained in this bulletin is based on our best knowledge the day of publication. The user must ensure the appropriateness and completeness of information regarding the specific use of the product. This document should not be considered as a guarantee of any specific property of the product. The use of this product is not under our direct control, therefore, users must at their own risk comply with applicable health and safety laws and regulations and the manufacture is released from any responsibility of unorthodox uses of the product.

16.1 Other Information

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