

SAFETY DATA SHEET

SILVERLIFE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name SILVERLIFE

Product number 639

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Metal Cleaning agent

1.3. Details of the supplier of the safety data sheet**Supplier**INDUSTEX S.L.
Avenida Païses Catalanes No 34 8th Floor
08950 Esplugues Dellobregat, SPAIN

Tel: +34.93.254.71.00

Fax: +34.93.212.71.11

1.4. Emergency telephone number Tel: +34.93.254.71.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture**Classification****Physical hazards**

Not Classified

Health hazards

Eye Irrit. 2 - H319

Environmental hazards

Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

2.2. Label elements**Pictogram****Signal word**

Warning

Hazard statements

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P264 Wash contaminated skin thoroughly after handling.

P273 Avoid release to the environment.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with national regulations.

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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | |
|---|--|
| 2-(2 BUTOXY ETHOXYETHANOL) CAS number: 112-34-5 EC number: 203-961-6 | 1-5% |
| Classification Eye Irrit. 2 - H319 | Classification (67/548/EEC or 1999/45/EC) Xi;R36. |
| SULPHAMIC ACID CAS number: 5329-14-6 EC number: 226-218-8 | 1-5% |
| Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412 | Classification (67/548/EEC or 1999/45/EC) Xi;R36/38 R52/53 |
| SILVER SALT COMPOUND CAS number: 534-16-7 EC number: 208-590-3 M factor (Acute) = 1 M factor (Chronic) = 1 | 1-5% |
| Classification Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | Classification (67/548/EEC or 1999/45/EC) Xi;R36. |
| LONG CHAIN FATTY ALCOHOL ETHOXYLATE CAS number: 68439-54-3 EC number: — | <1% |
| Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 | Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General Information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

SILVERLIFE

Inhalation

Unlikely to occur

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed**Notes for the doctor**

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media**

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products**

None at ambient temperatures.

5.3. Advice for firefighters**Protective actions during firefighting**

No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures**Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions**Environmental precautions**

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up**

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling**Usage precautions**

Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities**Storage precautions**

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters**Occupational exposure limits**

SILVERLIFE

2-(2 BUTOXY ETHOXYETHANOL)

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments

OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit.

SILVER SALT COMPOUND (CAS: 534-16-7)

Ingredient comments

WEL = Workplace Exposure Limits

Biological limit values

0.01

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Light brown.

Odour

Characteristic.

Relative density

1.090 - 1.110 @ 20°C

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

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Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

None Known

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

SECTION 11: Toxicological Information

11.1. Information on toxicological effects**Acute toxicity - dermal**

Acute toxicity dermal (LD50 mg/kg)

250

Acute and chronic health hazards

No specific health hazards known.

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity**Acute toxicity - fish**

LC₅₀, 96 hours: >200 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: >200 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC₅₀, 72 hours: >200 mg/l, Algae

12.2. Persistence and degradability**12.3. Bioaccumulative potential**

Not expected to bioaccumulate

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

SECTION 13: Disposal considerations

13.1. Waste treatment methods**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

14.1. UN number

UN No. (ADR/RID) 0

SILVERLIFE

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

General information

This information is given in good faith and is based upon current available data. The suitability of this product for any particular use is not suggested. The user must determine if the product is correct for any particular application. This document is not a specification. Conforms to 1907/2006/EC

Revision date 30/04/2015

Revision 01

SDS number 639RK

Risk phrases in full

NC Not classified.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.