

SAFETY DATA SHEET
(According to Regulation (EC) No. 453/2010 of 20/5/2010)



SULIMA Sp. z o.o.
Esperanto 14a/26, 01-049 Warszawa,
tel: (24) 355-87-50
www.sulima.pl, sulima@sulima.pl
NIP: 527-23-11-716

ACS-1

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

1.1 Product identifier

Industrial preparation ACS-1.

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

Foaming agent for boreholes

1.3 Details of the supplier of the safety data sheet

Company: Sulima Sp z o.o.
Contact person: Andrzej Misiótek
Telephone: +48 24 355 87 50
E-mail address: sulima@sulima.pl

1.4 Emergency telephone number (07:00-15:00)

+48 24 355 87 50

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classified as irritant to skin and eyes (H315, H319).

2.2 Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 – Causes skin irritation
H319 – Causes serious eye irritation

Zwroty określające warunki bezpiecznego stosowania:

P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 – IF ON SKIN: Wash with plenty of water using soap
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. .
P332+P313 – If skin irritation occurs: Get medical advice/attention.
P337+P313 – If eye irritation persists get medical advice/attention.
P362 - Take off contaminated clothing.

2.3 Other hazards

If heated, can extract sulfur dioxide

SECTION 3: Composition/information on ingredients

Multicomponent mixture containing:

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Chemical name	Concentration range	CAS number	Index number	EINECS	Hazard symbol and risk phrases	Classification
Alkohole, C12-C14, etoksylowane, siarczanowane, sole sodowe	>10<25%	68891-38-3	-----	500-234-8	H315, H319	Skin Irrit. 2 Eye Irrit. 2

SECTION 4: First aid measures

4.1 Description of first aid measures

If inhaled

Under normal conditions, the products does not give off harmful vapors.

If swallowed:

Nie wywoływać wymiotów. Przeplukać usta, nie podawać nic do picia. Nie wywoływać wymiotów, możliwość wystąpienia pienienia prowadzącego do zachłyśnięcia. Natychmiast wezwać pomoc lekarską.

Do not induce vomiting. Rinse mouth, do not give anything to drink. Do not induce vomiting, the possibility of foaming leading to relish. Sseek medical attention immediately.

In case of eye contact:

In case of eye contact, rinse with plenty of water for at least 15 minutes. Seek immediate medical attention.

In case of skin contact:

Remove contaminated clothing. Surfaces of the body that has been in contact with the substance should be washed with plenty of water. Wash contaminated clothing.

4.2 Most important symptoms and effects, both acute and delayed

Not likely to occur

4.3 Indication of any immediate medical attention and special treatment needed

If the victim is unconscious, make sure the airway is clear and put him in a lateral position. Provide medical attention.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Foam and powders, carbon dioxide and water (scattered currents).

5.2 Special hazards arising from the substance or mixture

In case of fire, formation of dangerous gaseous of decomposition products possible. In case of fire, sulfur dioxide may be formed. Containers exposed to fire or high temperature cool with a dispersed water jet, if possible remove from the hazard area.

5.3 Advice for firefighters

Non-combustible substance. Flammable after evaporation of water. Absorb discharged sulfur dioxide in a dispersed stream of water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the substance. Do not touch the material or contaminated packaging without proper protective clothing. Provide access to fresh air in confined spaces.

6.2 Environmental precautions

Do not allow to enter drains, ground water, surface water and soil. In case of environmental contamination notify local authorities.

6.3 Methods and materials for containment and cleaning up

Large-scale environmental threats are unlikely to happen. In case of extensive contamination, consult a chemical rescue group or manufacturer.

In case of leakage, eliminate leakage if possible. Limit the spread of the product by area embankment. Cover the spilled liquid with absorbent material (eg soil, sand) and collect into a sealed container, dispose in accordance with local regulations.

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6.4 Reference to other sections

See chapter 7, 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Follow generally accepted principles of industrial safety and hygiene. Secured against access by unauthorized persons.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly sealed stainless steel or other corrosion-resistant containers, equipped with heating elements and stirrer or sealed polyolefin containers. Recommended storage temperature ranges between 15 to 45 ° C. In a short time, maximum storage temperature of 50 ° C. In case of heating above 50 ° C, the product may decompose and sulfur dioxide may be released.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

NDS - not determined, NDSch - not determined

8.2 Exposure controls Personal protective equipment

Personal protective equipment should meet the requirements of the Regulation of the Minister of Economy of 21 December 2005 on essential requirements for personal protective equipment (Journal of Laws No. 259, item 2173). Use in well ventilated areas.

Respiratory protection:

Not required under normal use.

Eye protection:

Tight protective eyewear.

Hand protection

Rubber protective gloves in accordance with EN 374. Nitrile or similar resistance.

Other protective equipment

Protective clothing. In case of contamination change immediately.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Density, [g/cm ³] at tem. 20 °C 1.02-1,04	Temperature of decomposition >50°C	State at temp. 25°C: liquid
Boiling point, [°C] no data available	Water solubility: dissolves completely	pH 7-10

9.2 Other information

Cool adjacent containers by spraying water on them.

Flash point, [°C] no data available	Auto-ignition temperature, [°C] no data available	Upper explosive limit, [% V/V] no data available	Lower explosive limit, [% V/V] no data available
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SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive.

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10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Avoid temperatures falling outside the range given in section 7.

10.5 Incompatible materials

Copper and copper alloys can cause changes in colour.

10.6 Hazardous decomposition products

Sulphur dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity - LD_{50(oral, rat)} is 9421 mg/kg (concentration 25-27%).

Acute dermal toxicity: irritating to the skin and degreasing.

Acute inhalation toxicity: no data available.

Eye irritation: irritant.

Skin irritation: irritant.

Swallowing: irritation of the mucous membranes of the mouth, throat, esophagus and digestive tract.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish:

LC₅₀: 1,5-1,8 mg/dm³ (concentration 68-72%)

Toxicity to daphnia

CE₅₀: 1-50 mg/dm³ (concentration 68-72%)

Toxicity to algae

CE₅₀: 4-65 mg/dm³ (concentration 68-72%)

12.2 Persistence and degradability

DURABILITY: Biodegradability 99.2% determined according to 82/243 / EEC (concentration 68-72%).

DISPOSAL CAPACITY: The final oxygen biodegradation carried out by manometric respiration according to Directive 67/548 / EEC, C.4-D is 68% (concentration 68-72%).

12.3 Bioaccumulative potential

No bioaccumulation in aquatic environments BCF <100 (concentration 68-72%).

12.4 Mobility in soil

When dissolved in water can enter the groundwater.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

There was no growth inhibition on sewage sludge.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Observe the regulations of the Act of 27 April 2001 on waste (Journal of Laws No. 62, item 628), as amended.
Observe the regulations of the Act of May 11, 2001 on packaging and packaging waste (Journal of Laws No. 63, item 638), as amended.
Regulation of the Minister of the Environment of 27 September 2001 on the waste catalog (Journal of Laws 2001 No. 112, item 1206)

Destroy in accordance with applicable waste disposal regulations.
Hand the used packaging to the manufacturer or the authorized collector. Packaging waste code 150110.

SECTION 14: Transport information

14.1. UN number (UN number).

Not applicable.

14.2. Proper shipping name UN.

Not applicable.

14.3. Transport hazard class (s).

Not subject to.

14.4. Packing group.

No restrictions.

14.5. Environmental hazards.

The product does not pose a threat to the environment.

14.6. Special precautions for users.

Not required.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Not applicable

SECTION 15: Regulatory information

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

Other regulations:

The product is classified and labelled in accordance with EC directives or respective national laws. Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

Sekcja 16. Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.