

SAFETY DATA SHEET
(according to Regulation (EC) No. 1907/2006)



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-3

Wydanie: 1
Data aktualizacji: 2017-04-04

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

1.1 Product identifier

Trade name: ACS-3

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

Use of the Substance/Mixture:

Mineral oil free cooling lubricant concentrate for metal working

1.3 Details of the supplier of the safety data sheet

Company: Sulima Sp z o.o.
Contact person: Andrzej Misiołek
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

Classification (REGULATION (EC) No 1272/2008):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Additional Labelling:

EUH208 Contains: 1,2-Benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature: Preparation based on inhibitors, triethanolamine, polycarboxylic acids and water

Hazardous components

Chemical Name	CAS WE	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
1,2-Benzoizotiazol-3(2H)-one	2634-33-5 220-120-9	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 0,05
2-Metylo-2H-isotiazolo-3-on	2682-20-4 220-239-6	Acute Tox. 3; H301 Acute Tox. 2; H330 Skin Corr. 1B; H314 Eye Dam. 1; H318	<0,1

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		Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411
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For the full text of the H-Statements mentioned in this Section, see 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

No special precautions required. Call a physician if symptoms occur.

If inhaled:

Provide fresh air. If symptoms persist, call a physician.

In case of skin contact:

Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water.

In case of eye contact:

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. If eye irritation persists, consult a specialist.

If swallowed:

Call a physician immediately. Keep at rest. Do NOT induce vomiting. Aspiration hazard.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

No information available.

Risks:

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting

Combustion may cause generation Carbon dioxide (CO₂) Carbon monoxide Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Further information:

Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

Avoid contact with skin, eyes and clothing.

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Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions:

Do not flush into surface water or sanitary sewer system. Inform the relevant authorities if it enters sewers, aquatic environment or soil.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up:

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See chapter 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Avoid contact with skin and eyes. Ensure adequate ventilation. When using do not eat, drink or smoke. For personal protection see section 8.

Advice on protection against fire and explosion:

No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Follow the water regulations. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container in a cool, well-ventilated place.

Further information on storage conditions:

Keep away from heat. Keep at temperatures between 5°C and 40°C.

Advice on common storage:

Incompatible with oxidizing agents.

7.3 Specific end use(s)

Specific use(s):

Mineral oil free cooling lubricant concentrate for metal working.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls Personal protective equipment

Respiratory protection:

Not required under normal use. Use respirator when performing operations involving potential exposure to vapour of the product. Do not breathe gas/fumes/vapour/spray.

Hand protection:

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Eye protection:

Safety glasses with side-shields

Skin and body protection:

protective suit

Protective measures:

Handle in accordance with good industrial hygiene and safety practice. Follow the skin protection plan.

Environmental exposure controls

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General advice:

Do not flush into surface water or sanitary sewer system. Inform the relevant authorities if it enters sewers, aquatic environment or soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Color:	blue
Odor:	slight
Flash point :	does not flash
pH:	8.8 at 50 g/l
Boiling point/boiling range:	No data available
Density:	1.090 g/cm ³ at 20 °C
Water solubility:	completely miscible

9.2 Other information

Refractive index:	1.4185
Explosivity:	no explosion risk

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions:
No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid:
No decomposition if used as directed.

10.5 Incompatible materials

Materials to avoid:
Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Risk of decomposition:
In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO₂), Carbon monoxide, Smoke, Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity
1.2- Benzisothiazol-3(2H)-one:
LD50: 1,450 mg/kg
Species: Rat

Acute dermal toxicity
1.2- Benzisothiazol-3(2H)-one:
LD50: > 5,000 mg/kg
Species: Rat

Skin corrosion/irritation

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Skin irritation:

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.
May cause eye and skin irritation.

Serious eye damage/eye irritation**Eye irritation:**

The liquid splashed in the eyes may cause irritation and reversible damage.

Respiratory or skin sensitization**Sensitization:**

No sensitizing effects are known.

Carcinogenicity**Remarks:**

Not classifiable as a human carcinogen.

Further information:

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicology studies for the product are not available.

Toxicity to fish

1.2- Benzisothiazol-3(2H)-one :

LC50: 3.4 mg/l

Exposure time: 96 h

Species: Pimephales promelas (fathead minnow)

LC50: 1.3 -1.6 mg/l

Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates

1.2- Benzisothiazol-3(2H)-one:

LC50: 1.5 - 3.3 mg/l

Exposure time: 48 h

Species: Daphnia magna (Water flea)

Toxicity to algae

1.2- Benzisothiazol-3(2H)-one:

EC50: 0.15 mg/l

Exposure time: 72 h

Species: Algae

Toxicity to bacteria

1.2- Benzisothiazol-3(2H)-one:

EC20: 3.3 mg/l

Exposure time: 3 h

Species: activated sludge

Method: OECD Test Guideline 209

2-Methyl-2H-isothiazol-3-one:

EC20: 2.8 mg/l

Exposure time: 3 h

Species: activated sludge

Method: DIN 38412

EC50: 34.6 mg/l

Exposure time: 3 h

Species: activated sludge

Method: DIN 38412

12.2 Persistence and degradability

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Biodegradability

1.2- Benzisothiazol-3(2H)-one:
Primary biodegradation
> 90 %
Method: OECD
Test Guideline 303 A
rapidly biodegradable

12.3 Bioaccumulative potential

Bioaccumulation:
No data available

12.4 Mobility in soil

Mobility:
No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological information:
Do not flush into surface water or sanitary sewer system,

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Product:
Dispose of in accordance with local regulations. Do not let product enter drains. Do not dispose of with domestic refuse.

Packaging:
Do not dispose of with domestic refuse. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated packaging:
Dispose of in accordance with local regulations.

Waste Code:
130200 waste engine, gear and lubricating oils

SECTION 14: Transport information

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID
Not dangerous goods

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.

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SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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.