

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **A.Z. Meisterteile Cooling System Sealer additive**

Version: 1

Latest revision:

Date of issue: 12. 12. 2022

Oldal: 1/(12)

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

1.1 Product identifier:

A.Z. Meisterteile Cooling System Sealer additive

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

Relevant identified uses: Cooling System Sealer additive.

Uses advised against: application other than the above.

1.3 Details of the supplier of the safety data sheet:

Trader identification:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

Technical information:

UNIX Autó és Alkatrészkereskedelmi Kft.

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Fax: +36 1 270 8799

E-mail: cs@unixauto.com

1.4 Emergency telephone number

Emergency telephone (on workdays: 07-15²⁰ h (CET)): +36 1 270 8700

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Not classified.

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2.2 Label elements

Product identification: Trade name: **A.Z. Meistererteile Cooling System Sealer additive**

Hazardous component(s): -

GHS Pictogram: Not required.

Signal word: Not required.

Hazard statement:

Not required.

Supplemental hazard information:

EUH210 Safety data sheet available on request.

Precautionary statements – General:

P102 Keep out of reach of children.

Precautionary statements – Prevention: -

Precautionary statements – Response:

P314 Get medical advice/attention if you feel unwell.

Precautionary statements – Storage: -

Precautionary statements – Disposal:

-

Other liabilities for labelling:

Tactile warning of danger: not required.

Transport classification: see section 14.

2.3 Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006.

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SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixtures of the following substances and non-hazardous substances.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Ethylene glycol REACH Registr. Nr.: 01-2119456816-28	203-473-3	107-21-1	Acute Tox. 4 STOT RE 2	H302 H373	0,5 - 4,0
SVHC candidate list: Disodium tetraborate, anhydrous REACH Registr. Nr.: 01-2119490790-32	215-540-4	12179-04-3	Repr. 1B	H360FD	<0,2
Sodium nitrite REACH Registr. Nr.: 01-2119471836-27	231-555-9	7632-00-0	Ox. Sol. 3 Acute Tox. 3 Eye Irrit. 2 Aquatic Acute 1	H272 H301 H319 H400 (M=1)	<0,2

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting. If unconscious, place in recovery position

Inhalation: Remove exposed person to fresh air. In case of complaints, get medical advice.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use soap. In case of persistent (irritation, skin redness), contact a doctor.

Eye contact: Flush immediately with plenty of running water for a few minutes, holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if eye irritation develops or persists.

Ingestion: Rinse the mouth with water, then induce vomiting. Get immediately medical attention.

Protection of first-aid person: No individual specifications.

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4.2 Most important symptoms and effects, both acute and delayed
Ingestion: Difficulty breathing, loss of consciousness, convulsions, fatigue.

4.3 Indication of any immediate medical attention and special treatment needed
Symptoms may be delayed for several hours.
If swallowed, consult a doctor.
Show the MSDS or label to the physician.

SECTION 5 Fire-fighting measures

Fire hazards:
Not flammable.

5.1 Extinguishing media
Suitable extinguishing media:
According to the burning environment.

Unsuitable extinguishing media:
Water jet.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products:
On burning hazardous gases and vapours (carbon-dioxide, carbon-monoxide can be formed.

5.3 Advice for fire-fighters
Special protective equipment:
According to the existing fire-fighting regulations. Self-contained breathing apparatus.

Further information:
Collect contaminated fire-fighting water separately. It must not enter the sewage system.
Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Personal precautions: see Section 8.
Keep persons not involved in rescue at a distance.
Sufficient ventilation should be provided.
Avoid contact with skin and eyes, inhalation of vapours.
Danger of slipping on leaked out/spilled product.

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6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil.
Notify relevant authority.

6.3 Methods and material for containment and cleaning up

Contain spilled liquid with (sand, earth, diatomaceous earth) or other suitable absorbents.
Place in properly labelled closed container. Dispose of according to local regulations.

6.4 Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Keep general measures applied for normal operations with chemicals.

Sufficient ventilation should be provided.

Avoid contact with skin and eyes, inhalation of vapours.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke.

Handling temperature: no data.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area, in original, tightly closed containers. Keep away from frost and strong oxidizing agents.

Keep away from food, drink.

Keep out of reach of children.

Storage temperature: no data.

7.3 Specific end use(s)

Cooling System Sealer additive.

SECTION 8 Exposure controls / personal protection

8.1 Control parameters:

Substance	CAS number	Workplace exposure limit				Comments
		long term exposure limit (8 h)		short term exposure limit (15 min.)		
		ppm	mg/m ³	ppm	mg/m ³	
<i>Ethylene glycol</i>	107-21-1	-	104	-	52	2000/39/EC

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8.2 Exposure controls

Engineering control measures:

Not required.

Personal protection:

- | | |
|----------------------------|--|
| (a) Eye/face protection | Protective goggles or face shield if splashes may occur (EN 166). |
| (b) Skin protection | |
| (i) Hand protection | Protective gloves (EN 374).
Material: nitrile or PVC. Layer thickness: ≥ 0.4 mm
Breakthrough time: ≥ 480 minutes.
Note: Manufacturer's directions for use and the conditions of application should be observed. |
| (ii) Other | Protective clothing, safety footwear (EN ISO 20345) |
| (c) Respiratory protection | Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter (typ. A) is recommended (EN 14387). |
| (d) Thermal hazards | No data. |

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|--|---------------------------|
| a) Physical state: | liquid |
| b) Colour: | light brown |
| c) Odour: | characteristic, |
| d) Melting point/freezing point (Pour point): | not available |
| e) Boiling point or initial boiling point and boiling range: | not available |
| f) Flammability: | not combustible |
| g) Lower and upper explosion limit: | product is not explosive. |
| h) Flash point (closed cup): | not available |
| i) Auto-ignition temperature: | not available |

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j) Decomposition temperature:	not available
k) pH (1% solution):	not available
l) Kinematic viscosity:	
at 40°C:	not available
at 100°C:	not available
m) Solubility	
Solubility in water:	soluble in water
Solubility in other solvents:	not available
n) Partition coefficient n-octanol/water (log value):	not available
o) Vapour pressure at 20°C:	23 hPa
p) Density and/or relative density at 20°C:	approx. 1 g/cm ³
q) Relative vapour density:	not available
r) Particle characteristics:	not available

9.2 Other information

Oxidizing properties: not oxidize

SECTION 10 Stability and reactivity

10.1 Reactivity:	Stable under normal conditions.
10.2 Chemical stability:	No decomposition if stored and handled properly.
10.3 Possibility of hazardous reactions:	Not known.
10.4 Conditions to avoid:	Heating
10.5 Incompatible materials:	Strong oxidizing agents.
10.6 Hazardous decomposition products:	No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

SECTION 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.

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Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

11.2 Information on other hazards
No data.

SECTION 12 Ecological information

12.1 Toxicity	No data available for the preparation.
12.2 Persistence and degradability	No data available for the preparation.
Biodegradability:	No data available for the preparation.
12.3 Bioaccumulative potential	No data available for the preparation.
12.4 Mobility in soil:	No data available for the preparation.
Mobility in water:	Soluble in water.
12.5 Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances.
12.6 Endocrine disrupting properties	No data available.
12.7 Other adverse effects	Do not discharge into surface water, groundwater or sewers.
Water hazard class (German):	-

SECTION 13 Disposal considerations

13.1 Waste treatment methods
Product disposal:
Wastes of the product should be treated according to national and local disposal regulations.
Waste Identification Code: 07 07 01*
Aqueous washing liquids and mother liquors.
Disposal must be in compliance with national and local regulations.
Recommended waste treatment method: no data

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Packaging disposal:

Containers with product residue should also be treated according to national and local disposal regulations.

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: incineration or landfill.

Do not discharge into sewers. Do not mix with household waste.

Empty containers can be reused after cleaning.

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

SECTION 14 Transport information

Land transport:

Road/ Railway

ADR/RID:

Not classified.

14.1. UN number or ID number:

Not classified.

14.2. UN proper shipping name:

Not classified.

14.3. Transport hazard class(es):

Not classified.

14.4. Packing group:

Not classified.

14.5. Environmental hazards:

Not classified.

14.6. Special precautions for user:

Not classified.

Waterways:

Inland waterways/ Sea transport

ADN/IMDG:

Not classified.

Air transport: ICAO / IATA:

Not classified.

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SECTION 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.
Seveso category: not classified.
- 15.2 Chemical safety assessment.
not available

SECTION 16 Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)
Not classified.

The full text of each relevant Hazard classes and cat., H- phrase in Section 3.:

H272	May intensify fire; oxidizer.
H301	Toxic if swallowed
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H360FD	May damage fertility. May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

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Ox. Sol. 3	Oxidising solid Category 3
Acute Tox. 3	Acute toxicity Category 3
Acute Tox. 4	Acute toxicity Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2.
Repr. 1B	Reproductive toxicity Category 1B
STOT RE 2	Specific target organ toxicity – repeated exposure Category 2
Aquatic Acute 1	Hazardous to the aquatic environment, Acute Category 1

Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ec _x	Effective Concentration x%
Ed _x	Effective Dose x%
ELINCS	European List of Notified Chemical Substances
ErC50	EC50 in terms of reduction of growth rate;
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC _x	Lethal Concentration x%
LD _x	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development

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PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

Revision Indicators:

Section	Subject of change	Date	Version