

SAFETY DATA SHEET

according to regulation 1907/2006/EC (REACH) and 1272/2008/EC



Trade name: **A.Z. Meistererteile Scheibenreiniger MT-SR Winter/Lemon fresh**

Version: 2 Latest revision: 29. 09. 2022 Date of issue: 09. 10. 2017 Page: 1/(12)

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

1.1 Product identifier:

A.Z. Meistererteile Scheibenreiniger MT-SR Winter/Lemon fresh

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

Relevant identified uses: winter screenwash

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.: 06 1 270 8700

Fax: 06 1 270 8799

E-mail: cs@unixauto.com

Technical information:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: 06 1 270 8700

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E-mail: cs@unixauto.com

Responsible for SDS:

UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57.

Tel.: 06 1 270 8700

Fax: 06 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)

National Health Toxicological Information Service:

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Hazard Class and Category:

Flam. Liq. 3

Hazard statement:

H226 Flammable liquid and vapour.

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2.2 Label elements

Product identification: Trade name: **A.Z. Meisterteile Scheibenreiniger MT-SR Winter/Lemon fresh**

Hazardous components: -

GHS Pictogram:



Signal word: **Warning**

Hazard statement:

H226 Flammable liquid and vapour.

Supplemental hazard information: -

Precautionary statements – General:

P102 Keep out of reach of children.

Precautionary statements - Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking

P233 Keep container tightly closed.

Precautionary statements - Prevention

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.

Precautionary statements – Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary statements - Disposal

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

Other liabilities for labelling:

Tactile warning of danger: in case of distribution for population

Transport classification: see section 14.

By regulation No 648/2004/EC on detergents:

Contains: perfumes.

The website, where the list of ingredients is available: www.az-meisterteile.de

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2.3 Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

Formation of explosive air/steam mixtures is possible.

SECTION 3 Composition/information on ingredients

3.2 Mixtures

Chemical description: Mixture of water, alcohols, monoethylene glycol, tenside, flavour, colorific and other additives.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Ethanol* REACH Registr. Nr.: 01-2119457610-43	200-578-6	64-17-5	Flam. Liq. 2 Eye Irrit. 2	H225 H319	max. 33
Propan-2-ol* REACH Registr. Nr.: 01-2119457558-25	200-661-7	67-63-0	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	max. 3.0
Ethenediol REACH Registr. Nr.: 01-2119456816-28	203-473-3	107-21-1	Acute Tox. 4 STOT RE 2	H302 H373	max. 1.5

*Specific concentration limit: Eye Irrit. 2, C \geq 50%

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. Place patient in recovery position.

Inhalation: Remove exposed person to fresh air and keep warm. If breathing is difficult, apply artificial respiration or administer oxygen. Get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing.

Eye contact: Flush immediately with plenty of running water for at least 15 minutes, holding the eyelids open. Get medical attention.

Ingestion: Give plenty of water! 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: headache, confusion, dizziness, loss of consciousness.
Inhalation: cough, headache, fatigue, somnolence.
After skin contact: dehydration of the skin.
In case of eye contact: redness, pain.
- 4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5 Fire-fighting measures

Fire hazards:

Flammable liquid and vapour.

5.1 Extinguishing media

Suitable extinguishing media:

Alcohol resistant foam, dry chemical, water spray, CO₂.

Unsuitable extinguishing media:

No data.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning carbon-monoxide can be formed.

5.3 Advice for fire-fighters

Special protective equipment:

Accordance with current regulations.

Recommend wearing self-contained breathing apparatus.

Further information:

Cool containers exposed to fire with water spray from safe distance.

Formation of explosive air/steam mixtures is possible.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Sufficient ventilation should be provided.

All kind of ignition sources should be removed. Do not smoke.

Avoid contact with skin, eyes. Avoid breathing of vapours.

6.2 Environmental precautions:

Prevent spills from entering into natural water, soil and drains by containing the liquid. Notify relevant authority.

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6.3 Methods and material for containment and cleaning up

On soil: Exclude source of ignition. Adequate ventilation required in enclosed areas. Recover free liquid by pumping. Contain spilled liquid with sand, earth or other suitable absorbents. Dispose of according to local regulations. Clean up with large amount of water the contaminated area.

On water: Notify local authorities according to 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 and flammable liquids. Adequate ventilation required.

Keep material away from and open flame. No smoking.

Take precautionary measures against static discharges.

Avoid contact with skin and eyes. Avoid breathing of vapours.

Ensure washing facilities after working hours and before breaks. Take off contaminated clothing, wash with warm water and soap.

When using do not eat or drink and do not 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 out of the reach of children. Keep away from food, drink.

Storage temperature: max. 35°C

7.3 Specific end use(s)

Winter screenwash.

SECTION 8 Exposure controls / personal protection

8.1 Control parameters:

Propan-2-ol (CAS: 67-63-0)

Long-term exposure limit (8-hour TWA reference period): 400 ppm / 999 mg/m³

Short-term exposure limit (15-minute reference period): 500 ppm / 1250 mg/m³

Ethane-1,2-diol (CAS: 107-21-1)

Long-term exposure limit (8-hour TWA reference period): 20 ppm / 52 mg/m³

Short-term exposure limit (15-minute reference period): 40 ppm / 104 mg/m³

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Ethanol (CAS: 64-17-5)

Long-term exposure limit (8-hour TWA reference period): 1000 ppm / 1920 mg/m³

8.2 Exposure controls

Engineering control measures:

Adequate ventilation.

Personal protection:

- | | |
|----------------------------|--|
| (a) Eye/face protection | Where splashing is possible, wear safety glasses (EN 166). |
| (b) Skin protection | |
| (i) Hand protection | Protective gloves, chemical resistant (EN 374).
Note: Manufacturer's directions for use and the conditions of application should be observed. |
| (ii) Other | Protective clothing. |
| (c) Respiratory protection | Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter is recommended. |
| (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: | yellow |
| c) Odour: | fragrance of lemon |
| d) Melting point/freezing point (Dropping point) (ISO 3016): | not available |
| e) Boiling point or initial boiling point and boiling range (DIN 51356): | not available |
| f) Flammability: | Flammable liquid and vapour. |
| g) Lower and upper explosion limit: | However, formation of explosive air/steam mixtures is possible.
3.5 tf% / 15.0 tf% |
| h) Flash point (COC) (EN ISO 2592): | 29°C |
| i) Auto-ignition temperature: | not self-igniting |
| j) Decomposition temperature: | not available |
| k) pH: | not available |
| l) Kinematic viscosity (EN ISO 3104) | |
| at 40°C: | not available |
| at 100°C: | not available |

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m) Solubility

Solubility in water: soluble in all proportion

Solubility in other solvents: not available

n) Partition coefficient n-octanol/water (log value): not available

o) Vapour pressure at 20°C: not available

p) Density and/or relative density at 20°C (EN ISO 12185): typ. 0.953 g/cm³

q) Relative vapour density: not available

r) Particle characteristics: not available

9.2 Other information

Crystallization point (ASTM D 1177): -23°C

SECTION 10 Stability and reactivity

10.1 Reactivity: Dangerous reactivity not known.

10.2 Chemical stability: No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions: Not known.

10.4 Conditions to avoid: Direct heat or ignition sources.

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

Components:

Ethanol (CAS: 64-17-5)

Oral (OECD 401): LD₅₀ (rat) 7060 mg/kg

Inhalation (OECD 403): LC₅₀ (rat) 20000 ppm/10 h

Propan-2-ol (CAS: 67-63-0)

Oral: LD₅₀ (rat) >2000 mg/kg

Dermal: LD₅₀ (rat) >2000 mg/kg

Ethandiol (CAS: 107-21-1)

Oral: LD₅₀ (cat) 1600 mg/kg

Dermal: LD₅₀ (mouse) >3500 mg/kg

Inhalation: LC₅₀ (rat) >2.5 mg/L/6 h

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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.
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.

Components:

Ethanol (CAS: 64-17-5)

Fish toxicity:	LC ₁₀₀	9000 mg/L/24 h
Daphnia toxicity:	EC ₀	>7800 mg/L
Algae toxicity:	EC ₀	>5000 mg/L

Propan-2-ol (CAS: 67-63-0)

Fish toxicity:	LC ₅₀	>100 mg/L/48 h
Daphnia toxicity:	EC ₅₀	>100 mg/L/48 h
Algae toxicity:	no data	

Ethandiol (CAS: 107-21-1)

Fishes (Pimephales promelas):	LC ₅₀	72860 mg/L/96 h
Crustacea (Daphnia magna):	EC ₅₀	>100 mg/kg/48 h

12.2 Persistence and degradability

Biodegradability: Biodegradability of surfactants comply with the criteria of regulation 648/2004/EG.
Propan-2-ol (CAS: 67-63-0) >70% 10 days

12.3 Bioaccumulative potential

Ethanol (CAS: 64-17-5) log Kow= -0.35; BCF: 3.2
Propan-2-ol (CAS: 67-63-0) log Pow= 0.074

12.4 Mobility in soil:

Mobility in water: No data.
Soluble in water, evaporates from the water surface

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12.5 Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances, at a concentration of 0.1% or more.
12.6 Endocrine disrupting properties	The mixture does not contain any substance with endocrine disrupting properties.
12.7 Other adverse effects	
Biological oxygen demand:	No data.
Chemical oxygen demand:	No data.
Environmental effects:	May be harmful to aquatic organisms.
Water hazard class (German):	WGK 1 (Classification by AwSV)

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 07 01 04*

Other organic solvents, washing liquids and mother liquors.

Disposal must be in compliance with national and local regulations.

Recommended waste treatment method: no data

Packaging disposal:

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

Waste Identification Code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances.

Recommended waste treatment method: Empty containers can be reused after cleaning with water.

Disposal must be in compliance with national and local regulations.

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.

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SECTION 14 Transport information

Land transport:

14.1.	UN number or ID number:	1170
14.2.	UN proper shipping name:	ETHANOL SOLUTION
14.3.	Transport hazard class(es):	3
	Classification code:	F1
14.4.	Packing group:	III
	Labels:	3
14.5.	Environmental hazards:	not dangerous
14.6.	Special precautions for user:	
	Hazard identification Number:	30

Waterways:

Inland waterways/ Sea transport ADN/IMDG: Not apply to the product.

Air transport: ICAO / IATA: Not apply to the product.

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: P5.c.

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.

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Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Flam. Liq. 3 H226 test data

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

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure through prolonged or repeated exposure.
Flam. Liq. 2	Flammable liquid Category 2
Acute Tox. 4	Acute toxicity Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2.
STOT SE 3	Specific target organ toxicity — single exposure Category 3
STOT RE 2	Specific target organ toxicity – repeated exposure Category 2

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
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ex	Effective Concentration x%

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Edx	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
LCx	Lethal Concentration x%
LDx	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
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
1-16	Revision modification according to 2020/878/EU Full revision due to composition change	29. 09. 2022	2