

SAFETY DATA SHEET

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



Trade name: **A.Z. Meisterteile Gas leak detection spray**

Version: 1

Latest revision: -

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

1.1 Product identifier:

A.Z. Meisterteile Gas leak detection spray

UFI: 6VM8-NRDK-S12N-ET3K

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

Relevant identified uses: Gas leak detection spray. For industrial, professional and residential use.

Uses advised against: application other than the above.

1.3 Details of the supplier of the safety data sheet:

Distributor Details:

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

It is related to the use of the product technical information:

UNIX Autó és Alkatrészkereskedelmi Kft.

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Responsible for SDS:

UNIX Autó és Alkatrészkereskedelmi Kft.

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Tel.: +36 1 270 8700

Fax: +36 1 270 8799

E-mail: cs@unixauto.com

1.4 Emergency telephone number

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

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:

Aerosol 3

Hazard statement:

H229 Pressurized container: may burst if heated.

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2.2 Label elements

Product identification: Trade name: **A.Z. Meistererteile Gas leak detection spray**

Hazardous components: -

GHS Pictogram:



Signal word:

Warning

Hazard statement:

H229 Pressurized container: may burst if heated.

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.

P251 Do not pierce or burn, even after use.

Precautionary statements – Response: -

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Precautionary statements – Storage:

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Precautionary statements – Disposal:

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

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 with propellant gas.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Ethanol REACH Registr. Nr.: no data	200-578-6	64-17-5	Flam. Liq. 2	H225	<3%
Nitrogen (propellant)	231-783-9	7727-37-9	Press Gas 1	H280	-

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.

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, contact a doctor.

Eye contact: Flush eyes with plenty of water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of persistent irritation, contact a doctor.

Ingestion: If Rinse mouth thoroughly with water. Do not induce vomiting. In case of spontaneous vomiting, the head should be turned down. Get medical attention.

Protection of first-aid person: no data.

4.2 Most important symptoms and effects, both acute and delayed

Nitrogen gas can cause suffocation in higher concentrations.
Headache, nausea, dizziness, fatigue, skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Show the MSDS or label to the physician.

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SECTION 5 Fire-fighting measures

Fire hazards:
not flammable.

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, dust, carbon dioxide.

Foam, water mist (trained personnel only).

Unsuitable extinguishing media:

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:

Toxic gases may be produced during combustion.

5.3 Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Self-contained breathing apparatus.

Further information:

Use water spray just to cool down surfaces exposed to fire.

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.

Keep away from sources of ignition – No smoking.

Avoid contact with skin, clothing and eyes, inhalation of vapour, spray.

6.2 Environmental precautions:

Prevent spills from entering into natural water, soil and drains by containing the liquid. All kind of ignition sources should be removed. Do not smoke. Notify relevant authority.

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6.3 Methods and material for containment and cleaning up

Exclude source of ignition. Adequate ventilation required in enclosed areas.

Keep away from sources of ignition. Use non-sparking tools.

Contain spilled liquid with sand, earth and place in suitable containers for disposal (dangerous waste).

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 extremely flammable aerosols.

Adequate ventilation or local exhaust must be provided.

Keep away from sources of ignition – No smoking.

Product can form flammable/explosive vapour-air mixtures.

Keep away from heat, sparks, open flames, hot surfaces.

Keep container in vertical position avoiding falls and strokes.

Use explosion-proof and non-sparking tools.

Do not pierce or burn, even after use.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Avoid to accumulate electrostatic charge.

Avoid contact with skin, clothing and eyes, inhalation of gas, vapour, aerosol.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat or drink.

Handling temperature: no data.

7.2 Conditions for safe storage, including any incompatibilities

Keep general measures applied for storage of flammable and explosive materials.

Store in dry, well-ventilated place in original, closed containers.

Keep away from direct sunshine, direct heat or ignition sources and strong oxidizing agents.

Storage temperature: below 35°C.

7.3 Specific end use(s)

Gas leak detection spray. For industrial, professional and residential use.

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SECTION 8 Exposure controls / personal protection

8.1 Control parameters:

Substance	CAS number	Workplace exposure limit				Comments
		long term exposure limit (8- hr)		short term exposure limit (15- min.)		
		ppm	mg/m ³	ppm	mg/m ³	
<i>Ethanol</i>	64-17-5	1000	1920	-	-	-

8.2 Exposure controls

Engineering control measures:

Maintain suitable ventilation of the working place.

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).
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: aerosol (active ingredient: liquid, under pressure)
- b) Colour: yellowish
- c) Odour: Nitrogen (propellant gas): -210°C
- d) Melting point/freezing point: Nitrogen (propellant gas): -196°C

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e) Boiling point or initial boiling point and boiling range:	not available
f) Flammability:	not available
g) Lower and upper explosion limit:	not available
h) Flash point:	not available
i) Auto-ignition temperature:	not available
j) Decomposition temperature:	not available
k) pH:	7.53 - 7.95
l) Kinematic viscosity	
at 40°C:	not available
at 100°C:	not available
m) Solubility	
Solubility in water:	not available
Solubility in other solvents:	not available
n) Partition coefficient n-octanol/water (log value):	not available
o) Vapour pressure:	not available
p) Density and/or relative density:	Specific weight: 0.995 - 1.0046 kg/m ³ Nitrogen (propellant gas): 0.9671 (air=1)
q) Relative vapour density:	not available
r) Particle characteristics:	not available

9.2 Other information

No data available.

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:	Formation of explosive gas, vapour, air mixture is possible.
10.4 Conditions to avoid:	High temperature (over 50°C), ignition source, heat source, open flame, spark, direct sunlight, electrostatic charging.
10.5 Incompatible materials:	No data.
10.6 Hazardous decomposition products:	No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

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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.
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 available.

SECTION 12 Ecological information

12.1 Toxicity	No data.
12.2 Persistence and degradability	No data.
Biodegradability:	No data.
12.3 Bioaccumulative potential	No data.
12.4 Mobility in soil	No data.
Mobility in water:	No data.
12.5 Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances.
12.6 Endocrine disrupting properties	No data.
12.7 Other adverse effects	Do not allow to enter sewers, surface water or ground water.
Water hazard class (German):	No data.

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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: 16 05 05

Gases in pressure containers other than those mentioned in 16 05 04.

Disposal must be in compliance with national and local regulations.

Packaging disposal:

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

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.

SECTION 14 Transport information

Land transport:

Road/ Railway

ADR/RID:

14.1 UN number or ID number:	1950
14.2 UN proper shipping name:	AEROSOLS, asphyxiant
14.3 Transport hazard class(es):	2 (classification code: 5A)
14.4 Packing group:	-
14.5 Environmental hazards:	not dangerous for the environment
Marine pollutant:	no
14.6 Special precautions for user:	-
Labels:	2.2
Limited and excepted quantities:	1 L / E0
Tunnel restriction code:	E

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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)

Aerosol 3 H229 calculation method (based on flammable components)

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

H225	Highly flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
Flam. Liq. 2	Flammable liquid Category 2
Press Gas	Compressed gas

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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 (1272/2008/EC)
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
Ec _x	Effective Concentration x%
Ed _x	Effective Dose x%
ELINCS	European List of Notified Chemical Substances
ErC ₅₀	EC ₅₀ 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
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

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Revision Indicators:

Section	Subject of change	Date	Version