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



Oldal: 1/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): - / 29. 08. 2023. Date revision: 12. 09. 2023

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

1.1. Product identifier

A.Z. Meisterteile bug remover spray

UFI: 94YV-YH81-Y42U-D7T0

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

Relevant identified uses: Spray for the removal of bugs from windshields. For residential and

professional use.

Uses advised against: no data.

1.3. Details of the supplier of the safety data sheet:

Trader identification: Technical information:

UNIX Autó és Alkatrészkereskedelmi Kft. UNIX Autó és Alkatrészkereskedelmi Kft.

H-1139 Budapest, Frangepán u. 55-57. H-1139 Budapest, Frangepán u. 55-57.

Tel.: +36 1 270 8700 Tel.: +36 1 270 8700 Fax: +36 1 270 8799 Fax: +36 1 270 8799

E-mail: cs@unixauto.com E-mail: cs@unixauto.com

Responsible for SDS:

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

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 út 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:

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

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



Oldal: 2/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

2.2. Label elements

Product identification: Trade name: A.Z. Meisterteile bug remover spray

Hazardous component(s): 2-Aminoethanol; Sodium etasulphate; 2-butoxyethanol; Tetrasodium

ethylenediaminetetraacetate

GHS Pictogram:

Signal word: **Danger**

Hazard statement:

H315 Causes skin irritation.H318 Causes serious eye damage.

Supplemental hazard information:

-

Precautionary statements – General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements – Prevention:

P264 Wash hands thoroughly after handling.P280 Wear protective gloves, eye protection.

Precautionary statements – Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + IF IN EYES: Rinse cautiously with water for several minutes. Remove

P338 + P310 contact lenses, if present and easy to do. Continue rinsing. Immediately call a

POISON CENTER/doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse

Precautionary statements – Storage:

_

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



Oldal: 3/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

Precautionary statements – Disposal:

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

Other liabilities for labelling:

Tactile warning of danger and child-resistant fastening: Not required.

Transport classification: see section 14.

By 648/2004/EC regulation:

Components: less than 5 %: anionic surfactant, non-ionic surfactants, phosphates, EDTA and

its salts.

2.3. Other hazards

Results of PBT and vPvB assessment: It does not meet the criteria for PBT or vPvB substances. The mixture does not contain any substance with endocrine disrupting properties.

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)
2-aminoethanol*,**	205-483-3	141-43-5	Acute Tox. 4	H302	<2.5
REACH Registr. Nr.:			Acute Tox. 4	H312	
01-2119486455-28			Skin Corr. 1B	H314	
			Acute Tox. 4	H332	
Sodium etasulphate	204-812-8	126-92-1	Skin Irrit. 2	H315	<2.5
REACH Registr. Nr.:			Eye Dam. 1	H318	
01-2119971586-23					
2-butoxyethanol*, ***	203-905-0	111-76-2	Acute Tox. 4	H302	< 2.5
REACH Registr. Nr.:			Acute Tox. 4	H312	
01-2119475108-36			Skin Irrit. 2	H315	
			Eye Irrit. 2	H319	
			Acute Tox. 3	H331	
Alcohols, C12-15-branched	932-186-2	106232-83-1	Acute Tox. 4	H302	<1.5
and linear, ethoxylated (>2.5			Eye Dam. 1	H318	
moles EO)			Aquatic Chronic 3	H412	
REACH Registr. Nr.:					
no data					

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



Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020 Oldal: 4/(13)

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. %(m/m)
Poly(oxy-1,2-ethanediyl), .alphahydroomega hydroxy-, mono-C10-14- alkyl ethers, phosphates REACH Registr. Nr.: no data	614-625-7	68585-36-4	Met. Corr. 1 Skin Irrit. 2 Eye Dam. 1	H290 H315 H318	<1.5
Tetrasodium ethylenediaminetetraacetate REACH Registr. Nr.: 01-2119486762-27	200-573-9	64-02-8	Acute Tox. 4 Eye Dam. 1	H302 H318	<1.5

^{*}with exposure limit

***Estimated acute toxicity values (ATE):

Inhalation: ATE = 3 mg/L (vapours); Oral: ATE = 1200 mg/kg

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 a complaint, get medical attention.

Eye contact: Flush immediately with plenty of running water for 10-15 minutes, holding

the eyelids open. Remove contact lenses, if present and easy to do. Continue

rinsing. Get medical attention.

Ingestion: Rinse mouth thoroughly with water. Get medical attention.

Protection of first-aid person: No individual specifications.

4.2. Most important symptoms and effects, both acute and delayed

Causes skin irritation.

Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

^{**}Specific concentration limit: STOT SE 3; H335: $C \ge 5 \%$

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



Oldal: 5/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

According to the burning environment.

Unsuitable extinguishing media:

No data.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

At high temperatures, carbon dioxide, carbon monoxide, other toxic gases can be produced.

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.

Avoid contact with skin and eyes.

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

On soil: Contain spilled liquid with sand, earth or universal binders. Place in properly labelled closed container.

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.

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



Oldal: 6/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

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.

Wash hands before breaks and at end of work.

Avoid contact with skin, eyes and breathing of the product.

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

Keep general measures applied for storage of chemicals

Store protected from direct heat or ignition sources, direct sunlight, moisture, in dry well-

ventilated place, in original, closed containers.

Keep out of the reach of children. Keep away from food, drink.

Storage temperature: Protect from frost.

7.3. Specific end use(s)

Spray for the removal of bugs from windshields. For residential and professional use.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

2-aminoethanol (CAS: 141-43-5) 2006/15/EC

Short-term value: 7.6 mg/m³, 3 ppm

Long-term value (8 hours):: 2.5 mg/m³ 1 ppm

Notation: skin

2-butoxyethanol (CAS: 111-76-2) 2000/39/EC

Short-term value: 246 mg/m³, 50 ppm

Long-term value (8 hours): 98 mg/m³, 20 ppm

Notation: skin

8.2. Exposure controls

Engineering control measures:

Not required.

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



Oldal: 7/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

Personal protection:

(a) Eye/face protection Protective goggles (EN 166).

(b) Skin protection

(i) Hand protection Protective gloves (EN 374). Material nitrile rubber (0.4 mm),

polychloroprene (0.5 mm), poly(vinyl chloride) (0.5 mm).

Note: Manufacturer's directions for use and the conditions of

application should be observed.

(ii) Other Not required.

(c) Respiratory protection In case of vapor/aerosol formation, respiratory protection (EN

143, P2 or FFP2).

(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 yellow
c) Odour: butyl glycol

d) Melting point/freezing point (Pour point): not available

e) Boiling point or initial boiling point and boiling

range: not available 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
j) Decomposition temperature: not available

k) pH (1% solution): 9,5

1) Kinematic viscosity not available

m) Solubility

f)

Solubility in water: soluble in all proportion

Solubility in other solvents:

n) Partition coefficient n-octanol/water (log value):
not available
n) Vapour pressure:
not available
p) Density and/or relative density:
not available
not available
not available
not available

r) Particle characteristics: not available

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



Oldal: 8/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

9.2. Other information not 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 Not known.

10.4. Conditions to avoid Do not mix with other detergents.

10.5. Incompatible materials Strong acids.

10.6. Hazardous decomposition products known. 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:

2-butoxyethanol (CAS: 111-76-2):

Oral: LD_{50} (rat) 1746 mg/kg Dermal: LD_{50} (rat) 1000-2000 mg/kg

Sodium etasulphate (CAS: 126-92-1):

Oral: LD_{50} (rat) > 5000 mg/kg Dermal: LD_{50} (rat) > 5000 mg/kg

Alcohols, C12-15-branched and linear, ethoxylated (>2.5 moles EO) (CAS: 106232-83-1):

Dermal: LD_{50} (rat) > 2000 mg/kg

2-aminoethanol (CAS: 141-43-5):

Oral: LD_{50} (rat) 1515 mg/kg Dermal: LD_{50} (rabbit) 1025 mg/kg

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.

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.

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



Oldal: 9/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

> (manufacturers): - / 29. 08. 2023. Date revision: 12, 09, 2023

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

The mixture does not contain any substance with endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met.

Components:

2-aminoethanol (CAS: 141-43-5): Fish (Carassius auratus):

Fish (Carassius auratus):	LC_{50}	170 mg/L/96 h	Static test (APHA 1971)
Fish (Cyprinus carpio	LC_{50}	349 mg/L/96 h	Semi-static test, 92/69/EC
Daphnia (Daphnia magna):	EC_{50}	65 mg/L/48 h	
Scenedesmus subspicatus:	EC_{50}	22 mg/L/72 h	92/69/EK
Scenedesmus capricornutum	EC_{50}	2.5 mg/L/72 h	OECD 201

2-butoxyethanol (CAS: 111-76-2):

Fish (Oncorhynchus mykiss):	LC_{50}	1474 mg/L/96 h	OECD 203
Daphnia (Daphnia magna):	EC_{50}	1550 mg/L/48 h	OECD 202
Pseudokirchnerilella	EC_{50}	1840 mg/L/72 h	OECD 201

subcapitata

Activated sludge

(Pseudomonas putida): > 700 mg/L/16 hDIN 38412, (Teil 8)

Fish (Brachydanio rerio): > 100 mg/L/21 days OECD 204 NOEC Daphnia (Daphnia magna): > 100 mg/L/21 days OECD 211 **NOEC**

12.2. Persistence and degradability No data available.

> Biodegradability: Biodegradability of surfactants comply with the criteria

> > of regulation 648/2004/EG.

No data available. 12.3. Bioaccumulative potential

12.4. Mobility in soil No data available; but the product as aqueous solution

has high mobility.

Soluble in water. Mobility in water:

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



Oldal: 10/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

12.5. Results of PBT and vPvB assessment Results of PBT and vPvB assessment: It does not meet

the criteria for PBT or vPvB substances.

12.6. Endocrine disrupting properties The mixture does not contain any substance with

endocrine disrupting properties.

12.7. Other adverse effects Large spills may be hazardous to the environment.

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 06 04*

Other organic solvents, washing liquids and mother liquors.

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: the cleaned packaging material can be recycled. The product can be burned or disposed of under controlled conditions.

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
14.2. UN proper shipping name
14.3. Transport hazard class(es)
Not classified.
Not classified.

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



Oldal: 11/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): -/29. 08. 2023. Date revision: 12. 09. 2023

14.4. Packing group
14.5. Environmental hazards
14.6. Special precautions for user
14.7. Maritime transport in bulk according to IMO instruments
14.7. Does not apply.

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: 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)

Skin Irrit. 2 H315 calculation method Eye Dam. 1 H318 calculation method

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



Oldal: 12/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

(manufacturers): - / 29. 08. 2023. Date revision: 12. 09. 2023

The full text o	f each re	levant Hazard	classes and	l cat., H - p	ohrase in Section 3.	:
-----------------	-----------	---------------	-------------	----------------------	----------------------	---

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.
Met. Corr. 1	Substance or mixture corrosive to metals Category 1
Acute Tox. 4	Acute toxicity Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Acute Tox. 3	Acute toxicity Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment, Chronic Category 3

Legend:

ECHA

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

European Chemicals Agency

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



Oldal: 13/(13)

Trade name: A.Z. Meisterteile bug remover spray

Version: 2 Previous Issue / Date of last revision Date of issue: 30. 06. 2020

> (manufacturers): - / 29. 08. 2023. Date revision: 12, 09, 2023

Effective Concentration x% Ecx

Effective Dose x% Edx

European List of Notified Chemical Substances **ELINCS** ErC50 EC50 in terms of reduction of growth rate;

Exposure Scenario ES

International Agency for Research on Cancer **IARC IATA** International Air Transport Association **IMDG** International Maritime Dangerous Goods

Lethal Concentration x% LCx

LDx Lethal Dose x%

LOAEC Lowest Observed Adverse Effect Concentration

Lowest Observed Adverse Effect Level LOAEL Lowest Observed Effect Concentration LOEC

Lowest Observed Effect Level LOEL **NOEC** No observed effect concentration

No observed effect level NOEL NLP No-Longer Polymer

No Observed Adverse Effect Level NOAEL

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

Regulations concerning the International Carriage of Dangerous Goods by Rail RID

Substance of Very High Concern **SVHC**

substance of unknown or variable composition, complex reaction products or biological **UVCB**

materials

VOC Volatile organic compounds

Very Persistent and very Bio-accumulative vPvB

Revision Indicators:

-	~ .				
	Section	Subject of change	Date	Version	
	1-16	Full revision due to composition change.	12. 09. 2023	2	
		Revision modification according to 2020/878/EU.			