

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier:**
A.Z. Meisterteile Wheel Cleaner
- 1.2. Relevant identified uses of the mixture and uses advised against:**
Wheel cleaner for car care, consumer and professional use.
- 1.3. Details of the supplier of the safety data sheet:**
Information about the distributor:
Unix Autó Kft.
1139 Budapest, Frangepán utca 55-57.
Tel.: 00 36 1 270 8700
E-mail: info@unixauto.hu
- 1.3.1. Responsible person:** Unix Autó Kft.
E-mail: info@unixauto.hu
- 1.4. Emergency telephone number:** Emergency telephone (07-15:20 h): +36 34 526 210 (CET) on workdays
Health Toxicological Information Service (ETTSZ)
1097 Budapest, Albert Flórián út 2-6.
Tel.: +36 80 201 199, +36 1 476 6464 (0-24 h)

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the mixture:**
Classification according to Regulation (EC) No 1272/2008 (CLP):
Skin corrosion/irritation, Hazard Category 2 – H315
Serious eye damage/eye irritation, Hazard Category 2 – H319
Specific target organ toxicity – Single exposure, Hazard Category 3, Respiratory tract irritation – H335

Hazard statements:

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.

- 2.2. Label elements:**

Components that define the hazards: Disodium metasilicate



Hazard statements:

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H335 – May cause respiratory irritation.

Precautionary statements:

P102 – Keep out of reach of children.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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

Contents according to Regulation (EC) No 648/2004 on detergents:

<5% anionic surfactant

<5% non-ionic surfactant

2.3. Other hazards:

When used as directed, the product has no other known specific hazards for human or environment.

Results of PBT and vPvB assessment: No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Hazardous ingredients:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
Alcohols, C12-14 (evenly numbered), ethoxylated*	68439-92-0	932-106-6	-	<5	GHS07 Warning	Acute Tox. 4 Eye Irrit. 2	H302 H319
Sodium dodecylbenzene-sulfonate*	25155-30-0	246-680-4	-	<5	GHS07 Warning	Eye Irrit. 2 STOT SE 3 Skin Irrit. 2	H319 H335 H315
2-butoxyethanol** Index number: 603-014-00-0	111-76-2	203-905-0	-	<5	GHS07 Warning	Acute Tox. 4 Acute Tox. 4 Eye Irrit. 2 Skin Irrit. 2	H332 H312 H302 H319 H315
Ethidronic acid*	2809-21-4	220-552-8	-	<5	GHS07 GHS05 Warning	Eye Irrit. 2 Met. Corr.	H319 H290
Disodium metasilicate Index number: 014-010-00-8	6834-92-0	229-912-9	-	<5	GHS05 GHS07 Danger	Skin Corr. 1B STOT SE 3	H314 H335

*: Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

** : Substance having occupational exposure limit value.

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

oral: ATE = 1200 mg/kg bw

For the full text of hazard statements, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General information: Do not give liquid to an unconscious or convulsive person, do not induce vomiting

INGESTION:

Measures:

- Rinse mouth with water.
- If necessary, obtain medical help.

INHALATION:

Measures:

- Take the victim into fresh air.

SKIN CONTACT:

Measures:

- Remove the contaminated clothes.
- Wash the skin with plenty of water.
- In case of skin complaints, obtain medical help.

EYE CONTACT:

Measures:

- In case of contact with eyes immediately flush with water holding eyelids apart and moving the eyeballs.
- In case of persistent eye irritation, obtain medical help.

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

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

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

No special treatment needed; treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

Any extinguishing agent suitable for the surrounding fire may be used.

5.1.2. Unsuitable extinguishing media:

No data available.

5.2. Special hazards arising from the substance or mixture:

Non-flammable aqueous solution.

The formation of dangerous decomposition products greatly depends on the circumstances of the combustion. A complex mixture of airborne solid, liquid and gas substances may occur, such as carbon monoxide, carbon dioxide and unidentified compounds.

The inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. For emergency responders:

Danger of slipping - Spilled product must be collected.

6.2. Environmental precautions:

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Ensure adequate ventilation.

In case of large quantities, collect the spilled product with liquid-binding material (sand, earth), and then rinse the rest with plenty of water.

In case of small amounts, clean the spilled product with plenty of water.

6.4. **Reference to other sections:**

For further and detailed information see Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for safe handling:**

Observe conventional hygiene precautions.
 Avoid contact with skin, eyes and clothing.
 Do not eat, drink, or smoke when using this product.

Technical measures:

No special measures required.

Precautions against fire and explosion:

No special measures required.

7.2. **Conditions for safe storage, including any incompatibilities:**

Technical measures and storage condition:

Keep out of reach of children.
 Keep in the original, closed and appropriately labelled container.
 Keep away from food, drink and animal feed.

Incompatible materials: See Section 10.5

Packaging material: No special prescriptions.

7.3. **Specific end use(s):**

For degreasing and cleaning surfaces.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. **Control parameters:**

Occupational exposure limit values (Commission Directive (EC) No 2000/39 of 8 June 2000):

2-butoxyethanol (CAS: 111-76-2): Limit values: 8 hours: 98 mg/m³, 20 ppm; Short term: 246 mg/m³, 50 ppm (skin)

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. **Exposure controls:**

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. **Appropriate engineering controls:**

In pursuance of work is proper foresight needed to avoid leaking onto clothes and floors and to avoid contact with eyes and skin.

8.2.2. **Individual protection measures, such as personal protective equipment:**

1. **Eye/face protection:** Avoid contact with eyes.
2. **Skin protection:**
 - a. **Hand protection:** The use of rubber gloves is also recommended for household use (EN 374). Avoid contact with skin.

- b. **Other:** Contaminated clothing should be removed immediately, washed before re-use, and the affected skin should be washed with water and soap.
3. **Respiratory protection:** Do not breathe spray. Ventilation is recommended when using the product.
4. **Thermal hazards:** No thermal hazards known.
- 8.2.3. **Environmental exposure controls:**
 No specific prescription.
 The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Appearance:	yellowish liquid
2. Odour:	corresponding to its chemical composition (characteristic odour of butyl glycol)
3. Odour threshold:	no data*
4. pH:	10-12 (10 g/l, 20 °C)
5. Melting point/freezing point:	no data*
6. Initial boiling point and boiling range:	no data*
7. Flash point:	not applicable (aqueous solution)
8. Evaporation rate:	no data*
9. Flammability (solid, gas):	no data*
10. Upper/lower flammability or explosive limits:	no data*
11. Vapour pressure:	no data*
12. Vapour density:	no data*
13. Relative density:	no data*
14. Solubility(ies):	soluble in water
15. Partition coefficient: n-octanol/water:	no data*
16. Auto-ignition temperature:	no data*
17. Decomposition temperature:	no data*
18. Viscosity:	no data*
19. Explosive properties:	no data*
20. Oxidizing properties:	no data*

9.2. Other information:

Density: ~ 1 g/cm³

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet.

SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:**
 Not characteristic.
- 10.2. **Chemical stability:**
 Avoid heat, under normal conditions it does not decompose.
- 10.3. **Possibility of hazardous reactions:**
 No hazardous reactions known.
- 10.4. **Conditions to avoid:**
 High temperature.
- 10.5. **Incompatible materials:**
 Strong acids.
- 10.6. **Hazardous decomposition products:**
 No hazardous decomposition products if used as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

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

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

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: May cause respiratory irritation.

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.

11.1.1. Summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties:

Ingestion: May cause vomiting, irritation of the mouth, esophagus, stomach and intestinal mucosa, if swallowed,.

Skin contact: May cause irritation.

Eye contact: Irritant.

Inhalation: Causes respiratory irritation.

Germ cell mutagenicity, carcinogenicity:

It has no ingredients that are mutagenic or carcinogenic.

Acute toxicity:

LD50 (oral, rat): > 2000 mg/kg

11.1.3. Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.1.8. Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

No data available about the product.

12.2. Persistence and degradability:

No data available.

12.3. Bioaccumulation potential:

Not expected.

12.4. Mobility in soil:

No data available, the mixture is water soluble.

12.5. Results of PBT and vPvB assessment:

No data available.

12.6. Other adverse effects:

Do not let the product into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:

Dispose of in accordance with applicable regulations.
Do not dispose of together with household waste.
Do not empty into drains without dilution.

List of Waste Code:

20 01 29* detergents containing hazardous substances

*: Hazardous waste.

13.1.2. Information regarding the disposal of the packaging:

Dispose of in accordance with applicable regulations.
Empty packaging may be collected with household waste after rinsing with water.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

No data available.

13.1.4. Sewage disposal:

No data available.

13.1.5. Special precautions for any recommended waste treatment:

No data available.

SECTION 14: TRANSPORT INFORMATION

ADR/RID; ADN; IMDG; IATA:

Not dangerous good in sense of the transport regulations.

14.1. UN Number:

No UN Number.

14.2. UN proper shipping name:

No proper shipping name.

14.3. Transport hazard class(es):

No transport hazard classes.

14.4. Packing group:

No packing group.

14.5. Environmental hazards:

No relevant information available.

14.6. Special precautions for user:

Packaging units: 500 ml – nozzle, 5 L – can.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

15.2. Chemical safety assessment: Has not been carried out.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet: No information.

Literature references / data sources:

Safety data sheet issued by the manufacturer (31. 05. 2017, Version: 2, Hungarian).

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification	Method
Skin corrosion/irritation, Hazard Category 2 – H315	Based on calculation method
Serious eye damage/eye irritation, Hazard Category 2 – H319	Based on calculation method
Specific target organ toxicity – Single exposure, Hazard Category 3, Respiratory tract irritation – H335	Based on expert judgment, classification of the manufacturer

Relevant hazard statements (code and full text) of Sections 2 and 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.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

H335 – May cause respiratory irritation.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

AOX: Adsorbable organic halides.

BCF: Bioconcentration factor.

BOD: Biological Oxygen Demand.

CAS number: Chemical Abstract Service number.

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic, reprotoxic effects.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived-No-Effect-Level.

ECHA: European Chemical Agency.

EC: European Community.

EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European Norm.

EU: European Union.

EWC: European Waste Catalogue (replaced by LoW – see below).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union of Pure and Applied Chemistry.

Kow: n-Octanol - Water Partition Coefficient.

LC50: Lethal concentration resulting in 50 % mortality.

LD50: Lethal dose resulting in 50 % mortality (median lethal dose).

LoW: List of Waste.

LOEC: Lowest Observed Effect Concentration.

LOEL: Lowest Observed Effect Level.

NOEC: No Observed Effect Concentration.

NOEL: No Observed Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
OECD: Organization for Economic Cooperation and Development.
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic.
PNEC: Predicted No Effect Concentration.
QSAR: Quantitative Structure Activity Relationship.
REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.
SCBA: Self Contained Breathing Apparatus.
SDS: Safety Data Sheet.
STOT: Specific Target Organ Toxicity.
SVHC: Substances of Very High Concern.
UN: United Nations.
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.
VOC: Volatile Organic Compound.
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

Safety data sheet was prepared by:
MSDS-Europe
International branch of ToxInfo Kft.

Professional help regarding the explanation of
the safety data sheet:
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www.msds-europe.com

