

SAFETY DATA SHEET

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Revision date: 10.10.2023

Version: 01

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

1.1 Product identifier:

Trade name: AS-METAL
Product code: No information available.
UFI: G3D1-Q000-Y005-WTYK

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

Identified uses: Alkaline cleaner/ detergent
Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:
ASONIC d.o.o.
Tržaška cesta 134
1000 Ljubljana, Slovenia
Phone: + 386 41 566618
e-mail: order@asonic.si

1.4 Emergency telephone number:

Belgium: 070 245 245
Bulgaria: +359 2 9154 233
Croatia: +3851 2348 342 (24/7 in Croatian and English).
Czech Republic: +420 224 919 293, +420 224 915 402
Denmark: +45 8212 1212
Estonia: 112 (National emergency telephone number (Häirekeskuse number)); 16662 (nationally) and +372) 7943 794 (calling from abroad)
Finland: 0800 147 111, 09 471 977 (Open 24 hours a day)
France: + 33 (0)1 45 42 59 59
Greece: (0030) 2107793777
Hungary: +36-80-201-199 (0-24h, free of charge)
Ireland: 01 809 2566
Italy (CAP, Phone Number, City): 00165 06 68593726 (Roma); 71122 800183459 (Foggia); 80131 081-5453333 (Napoli); 161 06-49978000 (Roma); 168 06-3054343 (Roma); 50134 055-7947819 (Firenze); 27100 0382-24444 (Pavia); 20162 02-66101029 (Milano); 24127 800883300 (Bergamo); 37126 800011858 (Verona).

Latvia: Valsts ugunsdzēsības un glābšanas dienests, phone number: 112. Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs, Hipokrāta 2, Rīga, Latvija, LV-1038, phone number +371 67042473. Service is available 24 hours.

Lithuania: +370 (85) 2362052

Luxembourg: (+352) 8002 5500 (24/7, experts answer in French, Dutch and English)

The Netherlands: +31 (0)88 755 8000

Norway: 22 59 13 00 (Open 24 hours a day, 7 days a week.)

Portugal: +351 800 250 250

Romania: +40213183606

Slovakia: +421 2 5477 4166

Slovenia: 112

Spain: + 34 91 562 04 20 (available 24h/365 days)

Sweden: 112

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin Corr. 1A, H314 (Skin corrosion/irritation, Hazard Category 1A, H314)

Eye Dam. 1, H318 (Serious eye damage/Eye irritation, Category 1, H318)

2.2 Label elements:

2.2.1 Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word(s): Danger

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Hazard pictogram(s):



Hazard statement(s):

H314 Causes severe skin burns and eye damage.

Precautionary statement(s):

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P310 Immediately call a POISON CENTER/doctor.

Contains:

Kokosalkylaminethoxylat; potassium hydroxide; C9-C11 Alkyl alcohol, ethoxylated

Regulation (EC) No 648/2004 on detergents: non-ionic surfactants (≥ 5 - $< 15\%$)

2.3 Other hazards:

The mixture does not meet the criteria for classification as PBT and vPvB.

SECTION 3: Composition/information on ingredients

3.1 Mixture

Description of the substance/mixture: Mixture of substances listed below with non-hazardous additions.

Substance	EC No.	CAS No.	Index No.	CLP-classification	Concentration % (w/w)	REACH Reg. No.
benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsalt (1:1)	239-854-6	15763-76-5	/	Eye Irrit. 2, H319	2.5-10	01-2119489411-37
Kokosalkylaminethoxylat	/	61791-14-8	/	Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302 Skin Irrit. 2, H315	2.5-10	/
N,N-Dimethyl 9-decenamide	806-919-0	1356964-77-6	/	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412	2.5-10	01-2120058432-61-xxxx
C9-C11 Alkyl alcohol, ethoxylated	/	68439-46-3	/	Eye Dam. 1, H318 Acute Tox. 4, H302	≤ 2.5	/
potassium hydroxide*	215-181-3	1310-58-3	019-002-00-8	Skin Corr. 1A, H314; Acute Tox. 4, H302	≤ 2.5	01-2119487136-33-xxxx
Silicic acid, potassium salt	215-199-1	1312-76-1	/	Skin Irrit. 2, H315 Eye Irrit. 2, H319	0- $\leq 2.5\%$	01-2119456888-17-xxxx

More information: Please see section 16 for the full text of H- / EUH-phrases.

Note: * Specific concentration limits:

Skin Corr. 1A; H314: $C \geq 5\%$

Skin Corr. 1B; H314: $2\% \leq C < 5\%$

Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$

Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$

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SECTION 4: First aid measures

4.1 Description of first aid measures

<u>General:</u>	Immediately remove any clothing soiled by the product.
<u>Inhalation:</u>	In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
<u>Skin contact:</u>	Immediately rinse with water.
<u>Eye contact:</u>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<u>Ingestion:</u>	Do not induce vomiting; call for medical help immediately. Rinse out mouth and then drink plenty of water.
<u>Protection of the first aider:</u>	No information available.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

<u>Suitable extinguishing media:</u>	Use fire extinguishing methods suitable to surrounding conditions.
<u>Unsuitable extinguishing media:</u>	No further relevant information available.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Mouth respiratory protective device.

Additional information:

No information available.

SECTION 6: Accidental release measures

6.1 Personal safety measures, protective equipment and emergency procedures

6.1.1 For non-emergency personnel: Ensure adequate ventilation

6.1.2 For emergency responders: No information available.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up

6.3.1 Spill Containment: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent. Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

6.3.2 Spill clean-up: No information available.

6.3.3 Other information: No information available.

6.4 References to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Additional information:

No information available.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations for preventing fire, the formation of aerosols and dust, and for protecting the environment:

Use only in well-ventilated areas. Prevent formation of aerosols. Keep respiratory protective device available.

Advice on general occupational hygiene:

No information available.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

No special requirements.

Packaging materials:

No special requirements.

Requirements for storage areas and containers:

Protect from frost.

Storage class:

8 B

7.3 Specific end use(s)

Recommendations:

No further relevant information available.

Specific uses for industry:

No further relevant information available.

Additional information:

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limit:

Substance	CAS No.	Country	Limit values 8h		Limit value - Short term		Remarks
			mg/m3	ppm	mg/m3	ppm	
potassium hydroxide	1310-58-3	/	/	/	2 mg/m ³	/)	OEL

8.1.2 Biological limit values:

Substance	CAS No.	Parameter	Biological limits values (BAT)	Biological sample	Sampling time
/	/	/	/	/	/

8.1.3 DNEL: No information available.

8.1.4 PNEC: No information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

No further data; see section 7.

8.2.2 Individual protection measures, such as personal protective equipment:

- General
- Eye/face protection
- Skin protection

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Tightly sealed goggles

No information available.

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- Hand protection

Protective gloves. Material of gloves: the selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.35 mm

Penetration time of glove material: the exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Use suitable respiratory protective device only when aerosol or mist is formed.

- Respiratory protection

- Thermal hazards

No information available.

8.2.3 Environmental exposure controls:

No information available.

Additional information:

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	Value/Unit/Method
Physical state	Fluid
Colour	Violet
Odour	Characteristic
Odor threshold limit value	No information available.
Melting point/freezing point	No information available.
Boiling point or initial boiling point and boiling range	No information available.
Flammability	No information available.
Lower/upper explosive limit	No information available.
Flash point	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
pH	>13 (20 °C)
Kinematic viscosity	No information available.
Solubility	In water: Fully miscible.
Partition coefficient n-octanol/water (log value)	No information available.
Vapor pressure	No information available.
Density and/or relative density	1.07-1.09 g/cm ³ at 20 °C
Relative density	No information available.
Relative vapor density	No information available.
Particle characteristics	No information available.
Explosion properties	Product does not present an explosion hazard.
9.2 Other information:	
9.2.1 Information with regard to physical hazard classes	No information available.
9.2.2 Other safety characteristics	No information available.
Additional information:	Solids content: 0.0 %

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

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10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible Materials	No further relevant information available.
10.6 Hazardous decomposition products	No dangerous decomposition products known.
Additional information:	No information available.

SECTION 11: Toxicological information

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

Acute toxicity:

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

LD/LC50 values relevant for classification:		
15763-76-5 benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsalt (1:1)		
Oral	LD50	>2,000 mg/kg (rat) (LD50 Oral)
Dermal	LD50	>2,000 mg/kg (rabbit)
1356964-77-6 N,N-Dimethyl 9-decenamide		
Oral	LD50	550 mg/kg (rat) (LD50)
Dermal	LD50	>5,000 mg/kg (rat) (LD 50 Dermal)
Inhalative	LC50/4 h	>3,551 mg/m ³ (rat) (LC50)
68439-46-3 C9-C11 Alkyl alcohol, exthoxylated		
Oral	LD50	500 mg/kg (rat)
1310-58-3 potassium hydroxide		
Oral	LD50	333 mg/kg (rat) (LD50)
1312-76-1 Silicic acid, potassium salt		
Oral	LD50	>5,000 mg/kg (rat)

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

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.

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.

Information on likely routes of exposure:

No information available.

Symptoms related to the physical,

1356964-77-6 N,N-Dimethyl 9-decenamide

Chemical and toxicological characteristics:

Oral NOAEL 200 mg/kg/13 weeks (bea) (subchronic)

Delayed and immediate effects as

No information available.

Well as chronic effects from short and long-term exposure:

Interactive effects

No information available.

Absence of specific data:

No information available.

Mixture versus substance information:

No information available.

11.2 Information on other hazards

Endocrine disruptor properties:

None of the ingredients is listed.

Other information:

No information available.

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SECTION 12: Ecological information

12.1 Toxicity

1356964-77-6 N,N-Dimethyl 9-decenamide

LC50	>7.5 mg/l /96 h (fish) (OECD 203)
EC50	>9 mg/l /96 h (algae) (OECD 201)
	2.8 mg/l /48 h (daphnia) (OECD 202)
NOEC	1.1 mg/l /96 h (algae) (OECD 201)
	0.28 mg/l /21 dni (daphnia)
	≥0.71 mg/l /35 dni (fish) (OECD 210)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground. Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organism. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment of mixture:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

EWC code:

12 03 01* aqueous washing liquids

Waste treatment of packaging:

Uncleaned packaging:

Recommendation: Empty contaminated packaging thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

EWC code:

No information available.

Additional information:

No information available.

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SECTION 14: Transport information

14.1 UN number and ID number:

ADR, IMDG, IATA UN3266

14.2 UN proper shipping name:

ADR 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE)

IMDG, IATA CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE)

14.3 Transport hazard class(es):

ADR, IMDG, IATA



Class 8 Corrosive substances.

Label 8

14.4 Packing group:

ADR, IMDG, IATA III

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user:

Warning: Corrosive substances.

Hazard identification number (Kemler code): 80

EMS Number: F-A,S-B

Segregation groups (SGG18) Alkalis

Stowage Category A

Stowage Code SW2 Clear of living quarters.

Segregation Code SG35 Stow "separated from" SGG1-acids

14.7 Maritime transport in bulk according to IMO instruments:

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category 3

Tunnel restriction code E

IMDG

Limited quantities (LQ) 5L

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation": UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE), 8, III

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 on registration, evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and amending the Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 and Council Directives 76/769 / EEC and Commission Directives 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC (as amended by Commission Regulation (EU) No. 830/2015) - with amendments

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification,

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labelling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC and amending Regulation (EC) No 1234/2007.

15.2 Chemical safety assessment

No information available.

Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Changes to the safety data sheet:

No information available.

Abbreviations:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
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
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Resources for creating a safety data sheet: Original SDS (Revision date: 30.05.2023)

List of relevant hazard statements and/or precautionary statements under sections 2 to 15:

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Training for workers:

No information available.

Recommended usage restrictions:

No information available.

The information in the safety data sheet is based on our knowledge and available information. The safety data sheet indicates the product and the safety measures prescribed for it. The safety data sheet does not guarantee the quality of the product. A legal or natural person who places a chemical on the market is not responsible for any improper use, only this and the resulting consequences.

- End of safety data sheet -

Trade name: AS-METAL