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

1.1 Product identifier:

Trade name: AS-JEW
Product code: No information available.
UFI: JAPK-A7AV-G00T-531K

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

Identified uses: Concentrated agent for degreasing internal combustion engine parts with ultrasonic cleaning - washing in ultrasonic baths and bathrooms.
Uses advised against: Do not use for purposes other than those recommended.

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)

Flam. Liq. 2, H225 (Flammable liquids, Category 2, H225)
Acute Tox. 4, H302 (Acute toxicity (oral), Category 4, H302)
Skin Corr. 1B, H314 (Skin corrosion/irritation, Category 1B, 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):
H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary statement(s):
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P235 Keep cool.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilation/lighting/... equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
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/...
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use carbon dioxide (CO2), water spray, alcohol-resistant foam, dry powder to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to according to regulations.

Contains:
propan-2-ol; tetrasodium ethylene diamine tetraacetate; 2-butoxyethanol; disodium metasilicate; Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether

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: No information available.

Substance	EC No.	CAS No.	Index No.	CLP-classification	Concentration % (w/w)	REACH Reg. No.
tetrasodium ethylene diamine tetraacetate	200-573-9	64-02-8	607-428-00-2	Acute Tox. 4, H302 Eye Dam. 1, H318	5 - < 10	/
disodium metasilicate	229-912-9	6834-92-0	014-010-00-8	Skin Corr. 1B, H314 STOT SE 3, H335	2 - 12	/
propan-2-ol	200-661-7	67-63-0	603-117-00-0	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	2 - 12	/
2-butoxyethanol	203-905-0	111-76-2	603-014-00-0	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 3, H331	1 - 5	/
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	263-058-8	61789-40-0	/	Skin Irrit. 2, H315 Eye Irrit. 2, H319	1 - 5	/
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether	605-450-7	166736-08-9	/	Acute Tox. 4, H302 Eye Dam. 1, H318	5-15	/

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General: No information available.

Inhalation: In case of inhalation of product/vapours, remove exposed person to fresh air. If coughing and/or other breathing problems occur - seek medical help immediately.

Skin contact**:** Wash skin with soap and water. If clothes and shoes are dirty, they should be taken off. If skin irritation occurs, seek medical attention.

Eye contact: If contact occurs, flush eyes with water for at least 15 minutes, keeping eyes open. Contact lenses, if they exist and can be done, remove them. In case of irritation, seek medical attention.

Ingestion: If the person feels unwell, call a POISON CENTER or doctor. Do not induce vomiting.

Protection of the first aider: No information available.

4.2 Most important symptoms and effects, both acute and delayed

Eyes: redness, pain, blurred vision
Skin: redness, pain, burns, blisters
Ingestion: may be harmful if swallowed. If the substance enters the lungs, signs and symptoms may include coughing, choking, wheezing, difficulty breathing, chest tightness, shortness of breath, and/or fever.
Inhalation: harmful by inhalation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat according to symptoms. Show the safety data sheet or product label to the medical staff.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO_2), water spray, alcohol-resistant foam, dry powder.

Unsuitable extinguishing media: Water jet.

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5.2 Special hazards arising from the substance or mixture	In case of fire, the following can be released: carbon dioxide (CO2); Carbon monoxide (CO), Flammable gases/vapours. It is not flammable. There is no risk of explosion. Combustion products: Carbon monoxide (CO), carbon dioxide (CO2).
5.3 Advice for firefighters	In case of fire: Wear self-contained breathing apparatus and protective suit.
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:	Wear protective clothing. For more information, see section 8. Notify emergency personnel. Restrict access to the endangered area until the consequences of the accident are eliminated. Eliminate potential sources of ignition. Remove spilled product. Ensure adequate ventilation. Notify local authorities in accordance with applicable regulations. Avoid contact with skin, eyes and clothing. Prevent the product from entering surface water, drains, groundwater or waterways.
6.1.2 For emergency responders:	No information available.
6.2 Environmental precautions	Do not allow to enter surface waters or sewers.
6.3 Methods and materials for containment and cleaning up	
6.3.1 Spill Containment:	Stop leaks and runoff into the environment. Remove sources of ignition (open flame, sparks...).
6.3.2 Spill clean-up:	Collect the spilled agent mechanically with an adsorption material (sawdust, sand, earth) and remove it to a marked container for further disposal in accordance with the applicable waste management regulations. Comply with applicable laws and regulations.
6.3.3 Other information:	No information available.
6.4 References to other sections	Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal: see section 13.
Additional information:	No information available.

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:	Do not breathe vapor or mist. Wear personal protective equipment. Ensure effective ventilation. Avoid contact with eyes, skin and clothing. Store in original packaging.
Advice on general occupational hygiene:	Do not eat, drink or smoke while working, wash your hands with soap after working with the product.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:	Store in original packaging. Keep containers tightly closed in a dry, cool and well-ventilated area. Prevent air/oxygen entry (peroxide formation). Keep away from sources of heat and ignition. Store away from direct sunlight.
Packaging materials:	No information available.
Requirements for storage areas and containers:	No information available.
Storage class:	No information available.

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7.3 Specific end use(s) According to the technical information.
Recommendations: No information available.
Specific uses for industry: No 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	
Propan-2-ol	67-63-0	Austria	200	500	800	2000	/
Propan-2-ol	67-63-0	Belgium	200	500	400 (1)	1000 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	Denmark	200	490	400	980	/
Propan-2-ol	67-63-0	Finland	200	500	250 (1)	620 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	France	/	/	400	980	/
Propan-2-ol	67-63-0	Germany (AGS)	200	500	400 (1)	1000 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	Germany (DFG)	1000 (1)	200	500	400 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	Hungary	/	500 (1)	/	1000 (1)(2)	(1) Skin (2) 15 minutes average value
Propan-2-ol	67-63-0	Ireland	200	/	/	400 (1)	(1) 15 minutes reference period
Propan-2-ol	67-63-0	Latvia	350	/	/	600 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	Norway	100	245	/	/	/
Propan-2-ol	67-63-0	Poland	/	900 (1)	/	1200 (1)(2)	(1) Skin (2) 15 minutes average value
Propan-2-ol	67-63-0	Romania	81	200	203 (1)	500 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	Spain	200	500	400	1000	/
Propan-2-ol	67-63-0	Sweden	150	350	250 (1)	600 (1)	(1) 15 minutes average value
Propan-2-ol	67-63-0	Switzerland	200	500	400	1000	/
Propan-2-ol	67-63-0	United Kingdom	400	999	500 (1)	1250 (1)	(1) 15 minutes average value
2-Butoxyethanol	111-76-2	Austria	20	98	40	200	/
2-Butoxyethanol	111-76-2	Belgium	20	98	50 (1)	246 (1)	Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (1) 15 minutes average value
2-Butoxyethanol	111-76-2	Denmark	20 (1)	98 (1)	40 (1)(2)	196 (1)(2)	1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	European Union	**20**	**98**	**50 (1)**	**246 (1)**	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV)
2-Butoxyethanol	111-76-2	Finland	20	98	50 (1)	250 (1)	(1) 15 minutes average value
2-Butoxyethanol	111-76-2	France	**10**	**49**	**50 (1)**	**246 (1)**	Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value
2-Butoxyethanol	111-76-2	Germany (AGS)	10 (1)	49 (1)	20 (1)(2)	98 (1)(2)	(1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	Germany (DFG)	10 (1)(2)	49 (2)	20 (1)(2)(3)	98 (2)(3)	(1) MAK value applies for the sum of the concentrations of 2-Butoxyethanol and 2-Butoxyethylacetate in air (2) Skin (3) 15 minutes average value
2-Butoxyethanol	111-76-2	Hungary	/	98 (1)	/	246 (1)(2)	(1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	Ireland	20	98	50 (1)	246 (1)	(1) 15 minutes reference period
2-Butoxyethanol	111-76-2	Italy	20 (1)	98 (1)	50 (1)(2)	246 (1)(2)	(1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	Latvia	20	98	50 (1)	246 (1)	(1) 15 minutes average value
2-Butoxyethanol	111-76-2	Norway	10 (1)	50 (1)			(1) Skin
2-Butoxyethanol	111-76-2	Poland	/	98 (1)	/	200 (1)(2)	(1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	Romania	20	98	50 (1)	246 (1)	(1) 15 minutes average value
2-Butoxyethanol	111-76-2	Spain	20 (1)	98 (1)	50 (1)(2)	245 (1)(2)	(1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	Sweden	10	50	50 (1)	246 (1)	(1) 15 minutes average value
2-Butoxyethanol	111-76-2	10	49	20	98	10	/
2-Butoxyethanol	111-76-2	The Netherlands	20,4 (1)	100 (1)	50 (1)(2)	246 (1)(2)	(1) Skin (2) 15 minutes average value
2-Butoxyethanol	111-76-2	United Kingdom	25 (1)	123 (1)	50 (1)(2)	246 (1)(2)	(1) Skin (2) 15 minutes average value

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8.1.2 Biological limit values:

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

8.1.3 DNEL/PNEC:
disodium metasilicate 6834-92-0 DNEL 8,22 [mg/m³] inhalation systemic
propan-2-ol 67-63-0 DNEL 500 [mg/m³] inhalation systemic
2-butoxyethanol 111-76-2 98 [mg/m³] inhalation systemic
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts 61789-40-0 DNEL 8,22 [mg/m³] inhalation systemic

DNEL - tetrasodium ethylene diamine tetraacetate

End Users/Exposure	Value	Method of exposure
Workers / Long-term systemic and local effects	1.5 mg/m3	Inhalation
Workers / Short-term systemic and local effects	3 mg/m3	Inhalation
Users/ Long-term systemic and local effects	0.6 mg/m3	Inhalation
Users/ Short-term systemic and local effects	1.2 mg/m3	Inhalation

PNEC - tetrasodium ethylene diamine tetraacetate

Environment	Value
Freshwater	2.2 mg/l (rating factor – 10)
Marine water	0.22 mg/l (rating factor – 100)
Biological treatment plant	43 mg/l
Single release	1.2 mg/l

DNEL - 2-butoxyethanol

End Users/Exposure	Value	Method of exposure
Workers / Long-term systemic effects	98 mg/m3	Inhalation
Workers / Acute systemic effects	1091 mg/m3	Inhalation
Workers / Acute local effects	246 mg/m3	Inhalation
Workers / Long-term systemic effects	125 mg/kg body weight/day	Through the skin
Workers / Acute systemic effects	89 mg/kg body weight/day	Through the skin
Users / Long-term systemic effects	59 mg/m3	Inhalation
Users / Acute systemic effects	426 mg/m3	Inhalation
Users / Long-term systemic effects	89 mg/kg body weight/day	Through the skin
Users / Acute systemic effects	89 mg/kg body weight/day	Through the skin
Users / Long-term systemic effects	6.3 mg/kg body weight/day	Ingestion
Users / Acute systemic effects	7,5 mg/kg body weight/day	Ingestion

PNEC - 2-butoxyethanol

Environment	Value
Freshwater	8.8 mg/l (rating factor – 10)
Marine water	0.22 mg/l (rating factor – 100)
Biological treatment plant	463 mg/l
Single release	34.6 mg/l
Marine sediment	3.46 mg/l
Ground	2.33 mg/kg dry material

8.2 Exposure controls

8.2.1 Appropriate engineering controls: No information available.

8.2.2 Individual protection measures, such as personal protective equipment:

Personal protective equipment must comply with EN standards: respirator EN 136, 140, 149; protective glasses EN 166; protective clothing: SIST EN 340, 463, 468, 943-1, 943-2; gloves EN 374, protective shoes EN-ISO 20345.

- General

General instructions for personal protection: avoid contact with skin, eyes and clothing. Remove contaminated clothing immediately and wash before reuse. Make sure

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	eyewash stations and safety showers are close to where the product is to be used.
• Eye/face protection	Protective glasses.
• Skin protection	Protective work clothes. Glove material: nitrile rubber Break-through time: > 480 min Glove thickness: 0.4 mm Camatril® 730.
• Hand protection	Gloves should be inspected before use. Change gloves regularly. Note: specifications are based on information and tests of similar substances by analogy. Due to different conditions (e.g., temperature or other loads), it should be taken into account that the use of a chemical protective glove in practice can be much shorter than the breakthrough time determined according to EN 374. Because the actual conditions of practical use often deviate from the standardized conditions according to EN 374, recommended by the glove manufacturer the use of gloves to protect against chemicals in practice no more than 50% of the recommended breakthrough time. Due to the wide range of types of gloves, it is necessary to follow the manufacturer's instructions for use.
• Respiratory protection	If vapors are generated, use a respirator with an approved filter.
• Thermal hazards	No information available.
8.2.3 Environmental exposure controls:	Handle in accordance with local environmental regulations and good industrial practice.
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	Liquid
Colour	Light yellow
Odour	Mild
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	>11 (20 °C)
Kinematic viscosity	No information available.
Solubility	No information available.
Partition coefficient n-octanol/water (log value)	No information available.
Vapor pressure	No information available.
Density and/or relative density	1.10 g/cm³ pri 20 °C
Relative density	No information available.
Relative vapor density	No information available.
Particle characteristics	No information available.
Oxidizing properties	The product is not oxidizing
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:	No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity	There is no risk of reactivity under normal storage and handling conditions.
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	There are no known specific conditions that should be avoided.
10.4 Conditions to avoid	There are no known specific conditions that should be avoided.
10.5 Incompatible Materials	No information available.
10.6 Hazardous decomposition products	Under the prescribed conditions of storage and handling, the product does not decompose.
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: The mixture is not classified.

Ingredients that may contribute to acute oral toxicity:
2-butoxyethanol, LD 50 (oral): ATE 500 mg/kg
tetrasodium ethylenediaminetetraacetate, LD 50 (oral): ATE 500 mg/kg
Alcohols, C9-11-iso-, C10-rich, ethoxylated, LD 50 (oral): ATE 500 mg/kg
Calculated estimated value for acute oral toxicity ATE (mixtures): 1515 mg/kg
The mixture is therefore classified in category 4 Acute toxicity (oral).

Ingredients that may contribute to acute dermal toxicity:
There are no suitable ingredients in the mixture. The mixture is not classified according to acute toxicity (dermal).

Ingredients that may contribute to acute inhalation toxicity:
2-butoxyethanol, LC 50 (inhalation): ATE 3 mg/l/4h
Calculated estimated value for acute inhalation toxicity ATE (mixture): 37 mg/l/4h
The mixture is therefore not classified as acutely toxic (inhalation).

Skin corrosion/irritation: Result: the mixture is classified in category 1B.

Serious eye damage/irritation: Substances classified as corrosive substances of category 1B also cause severe eye damage. The mixture is classified in category 1.

Respiratory or skin sensitisation: The mixture is not classified.

Germ cell mutagenicity: The mixture is not classified.

Carcinogenicity: The mixture is not classified.

Reproductive toxicity: The mixture is not classified.

STOT – single exposure: The mixture is not classified.

Components that may contribute to specific target organ toxicity - single exposure:
Respiratory tract irritation:
Important substances:
disodium metasilicate, Substance Classification: Category 3
The mixture is not classified as specific target organ toxicity - single exposure: respiratory tract irritation.

Components that may contribute to specific target organ toxicity - single exposure:
Narcotic effects:
Important substances:
propan-2-ol, Substance classification: Category 3
The mixture is not classified in Specific target organ toxicity - single exposure:

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	Narcotic effects.
STOT - repeated exposure:	The mixture is not classified.
Aspiration hazard:	The mixture is not classified.
Information on likely routes of exposure:	No information available.
Symptoms related to the physical, Chemical and toxicological characteristics:	No information available.
Delayed and immediate effects as Well as chronic effects from short and long-term exposure:	No information available.
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:	No information available.
Other information:	No information available.

SECTION 12: Ecological information

12.1 Toxicity

The ecotoxicological assessment is based on data on the toxicity of the ingredients that make up the product.

tetrasodium ethylenediaminetetraacetate

Result	Species	Exposure / method
Acute LC50 > 100 mg/l	Fish – *Lepomis macrochirus*	96h / OPP 72-1 (EPA Directive)
Chronic NOEC >= 36.9 mg/l	Fish – *Brachydania rerio*	35d / OECD Test Guideline 210
Acute EC50 > 100 mg/l	Water plants – Scenedesmus obliquus	72h /88/302/EWG
Acute EC50 > 100 mg/l	Aquatic Invertebrates – Daphnia magna	48h / DIN 38412
Chronic NOEC 25 mg/l	Aquatic Invertebrates – Daphnia magna	21d / OECD Test Guideline 211
Acute EC20 > 500 mg/l	Microorganisms – activated sludge	30 min/ OECD Test Guideline 209
Chronic NOEC 84 mg/kg	Terrestrial plants	21d

2-propanol

Result	Species	Exposure / method
Acute EC50 10100 mg/l, fresh water	Aquatic invertebrates – Daphnia magna	48h
Acute LC50 1400000 µg/l, sea water	Aquatic invertebrates - Crangon crangon	48h
Acute LC50 4200 mg/l, fresh water	Fish – Rasbora heteromorpha	96h

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butoxyethanol

Result	Species	Exposure / method
Acute LC50 1474 mg/l	Fish – *Oncorhynchus mykiss*	96h / OECD Test Guideline 203
Chronic NOEC > 100 mg/l	Fish – *Danio rerio*	21d / OECD Test Guideline 204
Acute EC50 911 mg/l	Water plants - *Pseudokirchneriella subcapitata*	72h / OECD Test Guideline 201
Acute EC50 1800 mg/l	Aquatic invertebrates – Daphnia magna	48h / OECD Test Guideline 202
Chronic NOEC > 100 mg/l	Aquatic invertebrates – Daphnia magna	21d / OECD Test Guideline 211

12.2 Persistence and degradability

The surfactants found in this detergent meet the criterion of complete aerobic biodegradability given in accordance with Regulation 648/2004/EC.

Biodegradability of the component included in the composition of the product:
2-butoksietanol, CAS: 111-76-2
Biodegradation: 90.4%
Exposure time: 28 days
Result: Easily biodegradable.

Method: OECD Test Guideline 301B

12.3 Bioaccumulative potential

Bioaccumulative potential of the component included in the composition of the product:
2-propanol, CAS: 67-63-0

LogPow 0.05 - low bioaccumulation potential

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Does not meet the criteria for identification as PBT and vPvB.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment of mixture:

When removing - do not mix with municipal waste. You must hand over the used product, waste or unused parts of the product to an authorized person who collects and handles waste in accordance with national regulations and legislation on waste.

The owner or other owner of the waste, or the authorized operator, is obliged to classify the waste in the prescribed manner, carry out testing of hazardous waste and waste that may be dangerous due to its origin, composition and properties.

It is forbidden to mix it with other types of waste that pose a greater risk to the environment.

EWC code: No information available.

Waste treatment of packaging: No information available.

EWC code: 15 01 10* Packaging containing residues of dangerous substances or contaminated with dangerous substances

Additional information: No information available.

SECTION 14: Transport information

14.1 UN number and ID number: 1760

14.2 UN proper shipping name: ADR/RID - CORROSIVE LIQUID IMDG - CORROSIVE LIQUID
14.3 Transport hazard class(es):
ADR/RID 8
IMDG 8
IATA 8
14.4 Packing group:
ADR/RID III
IMDG III
IATA III
14.5 Environmental hazards: According to traffic regulations, it is not classified as dangerous.
14.6 Special precautions for user: No
14.7 Maritime transport in bulk according to IMO instruments: Not transported in bulk.

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, 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.

SECTION 16: Other information

Changes to the safety data sheet: No information available.

Abbreviations:
CLP - Classification, Labelling and Packaging
DNEL – Derived No-Effect Level
EWC code - six-digit code used to identify waste as listed in the European Waste Catalogue
PNEC - Predicted concentration without effect
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
STOT – Specific Target Organ Toxicity
UFI - the 16-character unique formula identifier (UFI) code

Resources for creating a safety data sheet: AS-JEW- SI (Revision date: 10.10.2023)

List of relevant hazard statements and/or precautionary statements under sections 2 to 15:
H225 Highly flammable liquid and vapour.
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.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

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H400 Very toxic to aquatic life.

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 -