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

1.1 Product identifier

Ultralit Clean Plus

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

Relevant identified uses: Ultralit Clean Plus a highly-alkaline industrial cleaning concentrate designed for the removal of stubborn dirt. Ideal products for very dirty concrete surfaces. Removes surface stains, grease, oil and others. For industrial, professional use.

Uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Supplier:	Dragan Anna Roguska
Street address:	Parowcowa 4C
Country/Postcode:	Poland, 02-445 Warszawa
Telephone number:	+48 22 814 74 81
e-mail:	info@ultralit.eu

1.4 Emergency telephone number:

112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Mixture:

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

Skin Corr.1 B H314 Causes severe skin burns and eye damage – category 1

Eye Dam.1 H318 Causes serious eye damage – category 1

2.2 Label elements

Contains potassium hydroxide

Supplemental information on the label:

not applicable

Hazard pictograms:



Signal word:

DANGER

Hazard statements:


H314 Causes severe skin burns and eye damage.

Precautionary statements:

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

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

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

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P405 Store locked up.

P501 Dispose of contents/container to in accordance with local/ regional/national/international regulation.

2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances: Not applicable

3.2 Mixtures: Contains Isotridecanol, ethoxylated, Orange terpenes.

Contains anionic surfactants < 5%, nonionic surfactants < 5%, soap < 5%, phosphates < 5%, water soluble solvents, complexing agents, alkalis, fragrances (Limonene).

Name	Identifiers	[% weight]	Classification according to Regulation (EC) No 1278/2008 (CLP).
2-(2-butoxyethoxy)ethanol	Index No: 603-096-00-8 EC No: 203-961-6 CAS No: 112-34-5 REACH Registration No.:*	1-<5	Eye Irrit.2 H319
Potassium hydroxide	Index No: 019-002-00-8 EC No: 215-181-3 CAS No: 1310-58-3 REACH Registration No.:*	1-2	Acute.Tox.4 H302 Skin Corr.1A H314

Specific concentration limits for potassium hydroxide:

Skin Corr. 1B; H314: 2 % ≤ C < 5 %

Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %

Skin Corr. 1A; H314: C ≥ 5 %

Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %

*A registration number is not available for this substance as the substance is exempted from registration or the annual tonnage does not require a registration.

The Full Text for all H-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention.

Following inhalation: Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

Following skin contact: Immediately remove contaminated clothing. Wash the skin with soap and water. Contaminated clothing should be washed before re-use. Get medical attention.


Following ingestion: Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a doctor if you feel unwell. Provide ventilation.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

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

If any symptoms persist seek medical advice and show the msds or label.

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Notes for the doctor: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray

Unsuitable extinguishing media: do not use water in a jet

5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate carbon oxides.

5.3 Advice for firefighters

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus.

Protective equipment for fire-fighters: Keep containers cool by spraying with water. If possible remove containers from the danger zone. Prevent from spreading or entering drains, ditches or rivers. Dispose of released and contained material in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Removed from the danger area all persons not involved in the emergency. If necessary, order the evacuation. Avoid contact with skin, eyes. Avoid inhalation of vapours / aerosols. Provide ventilation.

For emergency responders:

Wear protective clothing as described in Section 8.

6.2 Environmental precautions

Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (eg. sawdust, sand). Collect in a waste container. Dispose of waste according to the applicable local and national regulation. After cleaning, flush away traces with water.

6.4 Reference to other sections

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures:

Use only in a well-ventilated area. Avoid breathing vapor or aerosol. Avoid contact with eyes, skin. When handling, use appropriate personal protective equipment (see Section 8). Keep away from heat, flame and all other sources of ignition. Do not smoke! When using do not eat or drink..

Advice on general occupational hygiene:


Ensure good ventilation / exhaustion at the workplace. When using do not eat, drink or smoke. Wash hand before and after work with product. Contaminated clothing should be washed before re-use. Avoid spillage.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Store at room temperature. Keep away from food, drink and animal feedingstuffs. Do not store near acids.

7.3 Specific end use(s)

Cleaning agent.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

International Limits Values:

Substance	CAS No:	Basis / Country	Short Time Value [mg/m ³]	Short Time Value [ppm-Calculated]	Time Weighted Average Exposure Limit [mg/m ³ -8 h]	Time Weighted Average Exposure Limit [ppm-Calculated]
2-(2butoxyethoxy)ethanol	112-34-5	Germany European Union	101 101,2	15 15	67 67,5	10 10

DNEL, PNEC – No data available

8.2 Exposure controls

Appropriate engineering controls

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Individual protection measures, such as personal protective equipment

Eye/face protection

Avoid contact with eyes. Wear approved chemical safety goggles where eye exposure is reasonably probable.

Skin protection:

Hand protection: Wear protective gloves.

Material: nitrile rubber

Minimum layer thickness: 0.4mm

Break through time: 480 min

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Other: Wear protective clothing. Contaminated clothing should be washed before re-use.

Respiratory protection: Respiratory protection must be used if air contamination exceeds acceptable level. It is recommended to use respiratory equipment with filter or a self-contained respirator.


Environmental exposure controls

Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Light yellow liquid
Odour	Pleasant
Odour threshold	No data available
pH	13
Melting point / freezing point	<-8°C
Initial boiling point and boiling range	>98°C
Flash point	>100°C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable

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Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	1.10 g/cm ³
Relative density	No data available
Solubility(ies)	Miscible with water
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	>300°C
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2 Other information:

No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions of storage and use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to avoid

Do not expose to temperatures above 35°C.

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

No data available for the mixture


2-(2-butoxyethoxy)ethanol

LD50 (rat, oral)	7 291 mg/kg b.w
LC50 (rat, inhalation)	>29 ppm; exposure time:2h
LD50 (rabbit, dermal)	2 764 mg/kg b.w..

Potassium hydroxide

LD50 (rat, oral)	333 mg/kg
LC50 (inhalation)	No data available
LD50 (dermal)	No data available

Skin corrosion/irritation

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Causes severe skin burns.

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.

Additional information

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

SECTION 12: Ecological information

12.1 Toxicity

No data available for the mixture

2-(2-butoxyethoxy)ethanol

Fish (<i>Lepomis macrochirus</i>)	LC50	1 300 mg/L exposure time: 96h
Aquatic invertebrates (<i>Daphnia magna</i>)	EC50	> 100 mg/L exposure time: 48h
Algae and bacteria (<i>Desmodesmus subspicatus</i>)	EC50	>100 mg/L exposure time: 96h

Potassium hydroxide

Fish (<i>Carassius auratus</i>)	LC50	165 mg/l exposure time: 24h
Aquatic invertebrates (<i>Dreissena polymorpha</i>)	EC0	>1 mg/l exposure time: 2d
Algae and bacteria		No data available

12.2 Persistence and degradability

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. The surfactants in the product meet all requirements of the detergents regulation 648/2004/EC.

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

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects


No further relevant information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Proposed waste code

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07 06 99 Wastes not otherwise specified

SECTION 14: Transport Information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1. UN number	1719	1719	1719	1719
14.2. UN proper shipping name	CAUSTIC ALKALI LIQUID, N.O.S. (contain potassium hydroxide)	CAUSTIC ALKALI LIQUID, N.O.S. (contain potassium hydroxide)	CAUSTIC ALKALI LIQUID, N.O.S.	CAUSTIC ALKALI LIQUID, N.O.S.
14.3. Transport hazard class(es)	8	8	8	8
14.4. Packing group	III	III	III	III
14.5. Environmental hazards	NO	NO	NO	NO
14.6. Special precautions for user	Not applicable	Not applicable	Not applicable	Not applicable
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 15: Regulatory information

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

Restrictions on use (REACH, annex XVII):

Entry 55: 2-(2-Butoxyethoxy)ethanol

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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),

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 1907/2006 with amendments.

2014/955/EU: Commission Decision of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council Text with EEA relevance

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008

Classification procedure: calculation method

Skin Corr.1B H314

Eye Dam.1 H318

Relevant H-statements (number and full text)


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

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Additional Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Update of sections 1,2,3,8,9,11,12,13,14,15,16.
