

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

## K1 ULTRA W

Creation date	22nd October 2003	Version	19
Revision date	19th December 2022		

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

**1.1. Product identifier** K1 ULTRA W  
Substance / mixture mixture

**1.2. Relevant identified uses of the substance or mixture and uses advised against Mixture's intended use**

Strong concentrated acidic cleaner

#### The use descriptors

IS Use at industrial sites  
PW Widespread use by professional workers

#### Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

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

#### Supplier

Name or trade name	NOVATO
Address	Uralská 770/6, Praha, 160 00 Czech Republic
Identification number (CRN)	62910370
VAT Reg No	CZ62910370
Phone	+420 233 339 688
E-mail	petr.johanides@novato.cz
Web address	www.novato.cz

#### Competent person responsible for the safety data sheet

Name	ABITEC
E-mail	info@abitec.cz

**1.4. Emergency telephone number**

European emergency number: 112

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

#### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Met. Corr. 1, H290  
Skin Corr. 1B, H314  
Eye Dam. 1, H318  
STOT SE 3, H335

#### Most serious adverse physico-chemical effects

The mixture is strongly acidic. May react violently with bases and oxidizing agents. Avoid contact with open flames and heat sources. Imperfect thermal decomposition at high temperatures can release hazardous gases. Avoid inhalation.

#### Most serious adverse effects on human health and the environment

Eye contact may cause severe irritation to eye damage (redness, burning, tearing, conjunctivitis to corneal damage). Irritating to skin (redness, itching, burning, or severe irritation). Abdominal pain and nausea may occur if the mixture is ingested. Inhalation of the mixture may cause respiratory tract irritation. Secure against confusion with beverages and food. The mixture is not classified as harmful to aquatic organisms and components of the environment. The mixture is strongly acidic, a larger leakage of the mixture can change the pH of the aqueous environment. Do not allow to enter drains, soil, ground or surface water. Follow the instructions for use to avoid risks to humans and the environment. The full text of the classifications and H-statements is given in section 16 of this safety data sheet.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

#### Precautionary statements

P260	Do not breathe mist.
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.
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.
P501	Dispose of contents/container to in accordance with local regulations.

### 2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors , nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. According to EC Regulation No. 648/2004 + EC Regulation No. 907/2006 as amended - detergents: Once the substances or mixtures covered by this regulation are placed on the market, the manufacturer is responsible for the correct performance of the appropriate degradability tests. It must also have documentation of the tests performed to demonstrate compliance with this regulation and to demonstrate that it is entitled to exercise ownership rights related to the test results that are different from rights to already publicly available test results.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture.

#### Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 017-002-01-X EC: 231-595-7	hydrochloric acid	9-10,5	Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335 Specific concentration limit: Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315; Eye Irrit. 2, H319: 10 % ≤ C < 25 % STOT SE 3, H335: C ≥ 10 % Met. Corr. 1, H290: C ≥ 0.1 %	1, 2

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 106232-83-1 EC: 932-186-2	Alcohols, C12-15-branched and linear, ethoxylated (> = 6 - <15 EO)	3,015	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Aquatic Chronic 3, H412: C ≥ 25 %	
CAS: 106232-83-1 EC: 932-186-2	Alcohols, C12-15-branched and linear, ethoxylated (> 2.5 EO)	0,72	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Aquatic Chronic 3, H412: C ≥ 25 %	

**Notes**

- 1 Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- 2 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

In all cases of doubt, or when feeling unwell, seek medical advice and show this safety data sheet to the physician. When providing first aid, ensure the safety of both the rescuer and the rescued. In case of life-threatening conditions, perform resuscitation (artificial respiration or heart massage). Place the unconscious person in a stable position and do not give anything by mouth. Avoid cooling down. Do not induce vomiting. Avoid inhalation of vomit in case of spontaneous vomiting.

**If inhaled**

Discontinue exposure, rinse mouth with water. Provide a source of fresh air, warmth and peace. Seek medical attention if breathing difficulties or respiratory tract irritation occur.

**If on skin**

Remove affected clothing. Remove obstacles (rings, bracelets, watches, etc.) at the point of contact with the skin. Wipe off the product, wash thoroughly with water. Rinse affected areas with lukewarm water for 10-30 minutes. Do not use a brush, soap, do not neutralize. If signs of irritation occur, cover the affected skin with a sterile bandage and seek medical attention.

**If in eyes**

Rinse eyes and surroundings. If the affected person has contact lenses, remove them. Flush eyes wide open from the inner corner of the eye towards the outside with plenty of clean lukewarm water, especially the area under the eyelids. Rinse for at least 15-30 minutes, seek medical attention. Also rinse the eyes during transport to the doctor. Medical treatment must always be provided, even in the event of minor exposure.

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### If swallowed

DO NOT INDUCE VOMITING. In case of spontaneous vomiting, avoid inhaling vomit. Rinse mouth thoroughly with water, give 1-2 glasses of cold water to drink (only if the person is conscious and has no pain). Seek medical attention immediately. Submit packaging, label or this safety data sheet. Do not serve food or activated charcoal. In case of a person without symptoms, contact the Toxicological Information Center by telephone to decide on the need for medical treatment, provide information on the substances or composition of the product from the original packaging or from the safety data sheet of the mixture.

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

#### If inhaled

Inhalation of the mixture may cause respiratory tract irritation.

#### If on skin

Irritating to skin (redness, itching, burning, or severe irritation).

#### If in eyes

Eye contact may cause severe irritation to eye damage (redness, burning, tearing, conjunctivitis to corneal damage).

#### If swallowed

Abdominal pain and nausea may occur if the mixture is ingested.

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

Immediate medical attention is not required during normal use of the mixture and adherence to the instructions for use. Immediate medical attention is required in case of ingestion and in case of eye contact. Seek medical attention if symptoms persist or if respiratory or skin irritation occurs.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Mixture is not flammable, fire extinguisher adapted to fire in the area. Multipurpose powders, CO<sub>2</sub>, foam, water mist, sand.

#### Unsuitable extinguishing media

Full stream of water.

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures or fire may produce hazardous decomposition products. Do not inhale thermal decomposition products.

### 5.3. Advice for firefighters

Adapt protective equipment to the nature of the fire (self-contained breathing apparatus, emergency suit). Cover the product near the fire with spray water or cover with foam. Fire residues and water after treatment should be disposed of as hazardous waste.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, secure and insulate spill area. Ensure adequate ventilation of the work area, do not inhale the spray mixture. Avoid contact with skin and eyes - use personal protective equipment. Secure against confusion with beverages and food. Avoid contact with heat sources and open flames.

### 6.2. Environmental precautions

Provide space for leakage, collect escaping mixture. Do not allow to enter drains, soil, surface water or groundwater by creating catchment lagoons. In case of a large liquid leak, monitor the concentrations of NPK resp. TLV and inform the relevant authorities and administrators of the flow or sewer.

### 6.3. Methods and material for containment and cleaning up

Stop leak. In the event of a large spill, drain the mixture. In case of a small leak, cover with a suitable sorbent (universal sorbent, sand, diatomaceous earth, acid adsorbents, etc.), store the used sorbent in a closable waste container and dispose of it as hazardous waste. Wash contaminated area.

### 6.4. Reference to other sections

For recommended personal protective equipment, see Section 8. Dispose of unused product according to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Always read the operating instructions in detail before using. Ensure adequate ventilation of the work area. Avoid contact with open flames and sources of ignition. Avoid contact with eyes and skin, do not inhale fumes or spray mixture, use personal protective equipment according to sec. 8. Avoid confusion with drinks. The work area should be equipped with a source of drinking water. Avoid the formation of vapors in concentrations exceeding the maximum permissible concentrations for the working atmosphere. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work. Avoid release to the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed in the original container in a cool, well-ventilated place. Store away from heat sources. Store away from strong bases and oxidizing agents. Store away from food, drink and animal feeding stuffs. Keep out of reach of children. The warehouse should be equipped with a source of drinking water.

Storage temperature: 0 - 30 ° C.

Recommended packaging material - HDPE (2), High density (linear) polyethylene (Plastics)

Follow the instructions on the label.

Quantitative limits under given storage conditions: not stated

Quantity limit under established storage conditions: Not specified

Content	Packaging type	Material of package
5 l	jerry can	HDPE
10 l	jerry can	HDPE
25 l	jerry can	HDPE
40 l	jerry can	HDPE
200 l	barrel / drum	HDPE

Storage temperature min 0 °C, max 30 °C

#### 7.3. Specific end use(s)

Refer to the instruction manual.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Ensure compliance with Government Regulation 361/2007 Coll., As amended, which lays down the conditions for health protection at work, as amended, and fulfill the obligations contained therein.

#### Czech Republic

#### Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value
hydrochloric acid	PEL	8 mg/m <sup>3</sup>
	NPK-P	15 mg/m <sup>3</sup>

#### DNEL

hydrochloric acid					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	15 mg/m <sup>3</sup>	Acute effects local		
Workers	Inhalation	8 mg/m <sup>3</sup>	Chronic effects local		

#### PNEC

hydrochloric acid			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	36 g/l		
Freshwater environment	36 g/l		

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hydrochloric acid			
Route of exposure	Value	Value determination	Source
Marine water	36 g/l		
Water (intermittent release)	45 g/kg		

### 8.2. Exposure controls

Ensure adequate ventilation, or work space extraction. In case of insufficient ventilation or spray application, wear suitable respiratory equipment. Avoid contact with skin and eyes, do not breathe fumes. Secure against confusion with beverages. Observe hygienic measures when working with chemicals. The work area should be equipped with a source of drinking water. Do not eat, drink or smoke while working. Wash hands with lukewarm soap and water before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Protective work clothing. Wash affected skin thoroughly, remove contaminated clothing, wash before further use. Acid-resistant protective gloves (material e.g.: nitrile, permeability > 480 min., thickness ≥ 0.4 mm, exposure 8 hours). When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Test at a specific workplace before first use. Replace damaged gloves.

#### Respiratory protection

Respiratory protection: Not required. Avoid breathing the sprayed mixture. When constantly working with the mixture, when exposure limits are exceeded or in a poorly ventilated environment, use a half mask with a filter against acid vapors. In the event of an accident or long-term exposure, use self-contained breathing apparatus.

#### Thermal hazard

Not Specified. Avoid heating the mixture and exposure to elevated temperatures.

#### Environmental exposure controls

Observe the usual environmental precautions. Avoid leakage into sewers, underground and surface water and soil.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	100 °C
Flammability	the mixture is not flammable
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	0-1 (undiluted)
Kinematic viscosity	data not available
Solubility in water	soluble - The mixture must be added to the water, not the other way around, slowly and with constant stirring.
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1.02 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

### 9.2. Other information

Explosive properties: The mixture does not show explosive properties.

Oxidizing properties: The mixture is not classified as oxidizing.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is strongly acidic. If the recommended use is followed, the mixture does not show dangerous reactions.

#### 10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

#### 10.3. Possibility of hazardous reactions

Contact with acids or oxidizing agents may cause an exothermic reaction. The mixture must be added to the water, not the other way around, slowly and with constant stirring.

#### 10.4. Conditions to avoid

Temperatures below 0 ° C and above 30 ° C, heating, direct sunlight, contact with open flame.

#### 10.5. Incompatible materials

Strong acids and bases, oxidizing agents.

#### 10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Thermal decomposition at high temperatures produces dangerous decomposition products: COx, NOx, etc. The mixture must be added to the water, not the other way around, slowly and with constant stirring.

### SECTION 11: Toxicological information

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

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

#### Acute toxicity

The mixture is not classified as acutely toxic by any way of exposure.

Alcohols, C12-15-branched and linear, ethoxylated (> = 6 - <15 EO)							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	300-2000 mg/kg		Rat			
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit			

Alcohols, C12-15-branched and linear, ethoxylated (> 2.5 EO)							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	>2000 mg/kg		Rat			
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit			vlastní výsledky testů/literární poznatky
Inhalation	LC <sub>50</sub>	>1.6 mg/l	6 hours	Rat (Rattus norvegicus)		Observation method	Hodnota zadaná v literatuře

hydrochloric acid							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	2222 mg/kg		Rat			
Inhalation	LD <sub>50</sub>	45.6 mg/l	5 minutes	Rabbit			
Dermal	LD <sub>50</sub>	>5010 mg/kg		Rabbit			

#### Skin corrosion/irritation

The mixture is classified as corrosive, category 1B. Causes severe skin burns and eye damage.

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**Serious eye damage/irritation**

The mixture is classified as causing eye damage, category 1.

**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. Ethoxylated alcohols C12-15, branched and linear: Developmental toxicity NOEL: > 250 mg/kg (rat)

**Toxicity for specific target organ - single exposure**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - 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**

It does not contain substances causing disruption of the endocrine system. Contact with the eyes can cause severe irritation up to eye damage (redness, burning, tearing, conjunctivitis up to corneal damage) and severe irritation up to skin burns (redness, burning up to chemical burns). Inhalation of the sprayed mixture may cause irritation or even burning of the respiratory tract. Inhalation of solvent vapors above values exceeding the exposure limits for the work environment may result in acute inhalation poisoning, depending on the level of concentration and duration of exposure. Gastrointestinal problems may occur when the mixture is ingested.

**SECTION 12: Ecological information**

**12.1. Toxicity**

The ecotoxic effects of the mixture were not assessed. Observe the usual environmental precautions.

**Acute toxicity**

Alcohols, C12-15-branched and linear, ethoxylated (> = 6 - <15 EO)				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	>1 mg/l	96 hours	Fish (Cyprinus carpio)	
EC <sub>50</sub>	>1 mg/l	48 hours	Invertebrates (Daphnia magna)	
NOAEC	>0.17 mg/l		Invertebrates (Daphnia magna)	
Alcohols, C12-15-branched and linear, ethoxylated (> 2.5 EO)				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	0.1-1 mg/l	96 hours	Fish (Brachydanio rerio)	
EC <sub>50</sub>	0.1-1 mg/l	48 hours	Invertebrates (Daphnia magna)	



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Alcohols, C12-15-branched and linear, ethoxylated (> 2.5 EO)				
Parameter	Value	Exposure time	Species	Environment
NOEC	10 mg/kg		Higher plants	

hydrochloric acid				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	20.5 mg/l	24 hours	Fish (Lepomis macrochirus)	
EC <sub>50</sub>	20.5 mg/l	48 hours	Invertebrates (Daphnia magna)	
ErC <sub>50</sub>	0.73 mg/l	72 hours	Algae (Chlorella vulgaris)	

### 12.2. Persistence and degradability

The surfactants contained are biodegradable in accordance with EC Regulation No. 648/2004 on detergents, as amended (degradability > 60%/28 days).

### 12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

### 12.4. Mobility in soil

The mixture is water soluble, mobility is likely.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

### 12.7. Other adverse effects

Do not allow to enter soil, ground or surface water or drains. The mixture is strongly acidic. Leakage of larger amounts can change the pH of the aqueous environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of as hazardous waste, hand over for disposal to a person authorized to handle hazardous substances or to a hazardous waste collection yard. Dispose of contaminated packaging in the same way as the hazardous mixture itself. Do not empty unused product into drains or dispose of with municipal waste. Dispose of mixture and packaging residues in accordance with local waste disposal regulations. Suitable methods for disposing of contaminated packaging Dispose of as hazardous waste according to local regulations. Uncontaminated packaging can be recycled.

#### Waste management legislation

Act No. 477/2001 Coll., On packaging, as amended.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

#### Waste type code

20 01 29\* detergents containing hazardous substances

20 01 14\* Acids

#### Packaging waste type code

15 01 10\* packaging containing residues of or contaminated by hazardous substances

20 01 39 Plastics

(\* ) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

### 14.1. UN number or ID number

UN 1789

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**14.2. UN proper shipping name**

HYDROCHLORIC ACID

**14.3. Transport hazard class(es)**

8 Corrosive substances

**14.4. Packing group**

III

**14.5. Environmental hazards**

No.

**14.6. Special precautions for user**

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

**Additional information**

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

Hazard identification No.	<b>80</b>
UN number	<b>1789</b>
Classification code	C1
Safety signs	8



Tunnel restriction code (E)

**Air transport - ICAO/IATA**

Packaging instructions passenger 852

Cargo packaging instructions 856

**Marine transport - IMDG**

EmS (emergency plan) F-A, S-B

**SECTION 15: Regulatory information**

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

Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended. 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, Authorization and Restriction of Chemicals.

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**Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended**  
5- <15 % Hydrochloric acid, <5 % non-ionic surfactants

### 15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

#### More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

H290	May be corrosive to metals.
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.

### Guidelines for safe handling used in the safety data sheet

P260	Do not breathe mist.
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.
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.
P501	Dispose of contents/container to in accordance with local regulations.

### Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization

# SAFETY DATA SHEET

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

## K1 ULTRA W

Creation date	22nd October 2003	Version	19
Revision date	19th December 2022		

INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NOAEC	No observed adverse effect concentration
NOEC	No observed effect concentration
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion
STOT SE	Specific target organ toxicity - single exposure

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

### Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

### The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

### Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.