



# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

## BS Alkacip

Creation date 15th November 2021 Version 5  
Revision date 11th November 2025

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/doctor.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container to in accordance with national regulations.

### Supplemental information

Composition according to (EC) No 648/2004, as amended: <5 % phosphonates, <5 % amphoteric surfactants, <5 % non-ionic surfactants, <5 % EDTA and salts thereof

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

## 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: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5	sodium hydroxide	15-30	Skin Corr. 1A, H314 Specific concentration limit: Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Corr. 1A, H314: C ≥ 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 % Skin Irrit. 2, H315: 0.5 % ≤ C < 2 %	
Index: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3	potassium hydroxide	5-15	Acute Tox. 4, H302 Skin Corr. 1A, H314 Specific concentration limit: Skin Irrit. 2, H315: 0.5 % ≤ C < 2 % Skin Corr. 1A, H314: C ≥ 5 % Skin Corr. 1B, H314: 2 % ≤ C < 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 %	
Index: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9	tetrasodium ethylene diamine tetraacetate	<5	Acute Tox. 4, H302 Eye Dam. 1, H318	
CAS: 120313-48-6 EC: 639-733-1	Alcohols, C12-15-branched and linear, ethoxylated propoxylated	<5	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

##### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes.

##### If on skin

Beware of the contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment.

##### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

##### If swallowed

DO NOT INDUCE VOMITING! DO NOT PROVIDE ACTIVATED CARBON! Rinse out the mouth with water and provide 2-5 dL of water. Call medical rescue service.

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

##### If inhaled

Inhaling vapours can cause corrosion of the breathing system.

##### If on skin

Causes severe skin burns.

##### If in eyes

Causes serious eye damage.

##### If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### Unsuitable extinguishing media

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

### SECTION 6: Accidental release measures

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

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage temperature -15...+35 °C

### 7.3. Specific end use(s)

not available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

#### DNEL

potassium hydroxide				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	1 mg/m <sup>3</sup>	Chronic effects local	ECHA
Consumers	Inhalation	1 mg/m <sup>3</sup>	Chronic effects local	ECHA
Workers	Inhalation	1 mg/m <sup>3</sup>	Chronic effects local	ECHA
Consumers	Inhalation	1 mg/m <sup>3</sup>	Chronic effects local	ECHA

sodium hydroxide				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	1 mg/m <sup>3</sup>	Chronic effects local	ECHA
Consumers	Inhalation	1 mg/m <sup>3</sup>	Chronic effects local	ECHA

tetrasodium ethylene diamine tetraacetate				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	3 mg/m <sup>3</sup>	Acute effects systemic	ECHA
Workers	Inhalation	1.5 mg/m <sup>3</sup>	Chronic effects systemic	ECHA
Workers	Inhalation	1.5 mg/m <sup>3</sup>	Chronic effects local	ECHA
Workers	Inhalation	3 mg/m <sup>3</sup>	Acute effects local	ECHA
Consumers	Inhalation	600 µg/m <sup>3</sup>	Chronic effects local	ECHA
Consumers	Inhalation	1.2 mg/m <sup>3</sup>	Acute effects local	ECHA
Consumers	Oral	25 mg/kg bw/day	Chronic effects systemic	ECHA

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### PNEC

tetrasodium ethylene diamine tetraacetate		
Route of exposure	Value	Source
Freshwater environment	2.83 mg/l	ECHA
Water (intermittent release)	1 mg/l	ECHA
Marine water	283 µg/l	ECHA
Seawater (intermittent release)	1 mg/l	ECHA
Microorganisms in sewage treatment	50 mg/l	ECHA

### 8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

EN ISO 16321-1 - Eye and face protection for occupational use.

#### Skin protection

EN ISO 374-1. Hand protection: Protective gloves resistant to the product. When selecting gloves, consider the properties of the product and the duration of exposure. Replace gloves at the first signs of wear or damage. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Glove material	Thickness	Breakthrough time	Class	Exposure time
Butyl rubber (IIR)	≥ 0.5 mm	>480 min	6	Long-term
Nitrile (NBR)	≥ 0.4 mm	>480 min	6	Repeated

#### Respiratory protection

Under regular circumstances it is not necessary.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

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

Physical state	liquid
Colour	yellow
color intensity	transparent
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
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	14 (100% solution at 20-25 °C)
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1.33 g/cm <sup>3</sup> at 20-25 °C
Relative vapour density	data not available
Particle characteristics	data not available

### 9.2. Other information

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not available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Reacts with strong acids, water.

#### 10.4. Conditions to avoid

High temperature and direct sunlight, heat.

#### 10.5. Incompatible materials

Strong acids, oxidators, alkali-sensitive metals (aluminium, tin, zinc).

#### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

### SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

#### Acute toxicity

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

BS Alkacip							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	ATE	4802 mg/kg				Calculation of value	

Alcohols, C12-15-branched and linear, ethoxylated propoxylated							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	>2000 mg/kg		Mammals			SDL

potassium hydroxide							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	333-388 mg/kg bw		Rat			ECHA

sodium hydroxide							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	325 mg/kg		Rabbit			SDL

tetrasodium ethylene diamine tetraacetate							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	1780 mg/kg bw		Rat			ECHA

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### Skin corrosion/irritation

Causes severe skin burns and eye damage.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated				
Route of exposure	Result	Exposure time	Species	Source
Dermal	Irritating			SDL

potassium hydroxide				
Route of exposure	Result	Exposure time	Species	Source
Dermal	Skin burns			ECHA

sodium hydroxide				
Route of exposure	Result	Exposure time	Species	Source
Dermal	Skin burns			ECHA

tetrasodium ethylene diamine tetraacetate				
Route of exposure	Result	Exposure time	Species	Source
Dermal	No effect			ECHA

### Serious eye damage/irritation

Causes serious eye damage.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated				
Route of exposure	Result	Exposure time	Species	Source
Eye	Irritating			SDL

potassium hydroxide				
Route of exposure	Result	Exposure time	Species	Source
Eye	Irreversible damage			ECHA

sodium hydroxide				
Route of exposure	Result	Exposure time	Species	Source
Eye	Irreversible damage			ECHA

tetrasodium ethylene diamine tetraacetate				
Route of exposure	Result	Exposure time	Species	Source
Eye	Irreversible damage			ECHA

### Respiratory or skin sensitisation

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

Alcohols, C12-15-branched and linear, ethoxylated propoxylated					
Route of exposure	Result	Exposure time	Species	Sex	Source
Inhalation	Not sensitizing				SDL
Dermal	Not sensitizing				SDL

potassium hydroxide					
Route of exposure	Result	Exposure time	Species	Sex	Source
Dermal	Not sensitizing				ECHA

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### potassium hydroxide

Route of exposure	Result	Exposure time	Species	Sex	Source
Inhalation	Indeterminate				

### sodium hydroxide

Route of exposure	Result	Exposure time	Species	Sex	Source
Dermal	Not sensitizing				ECHA
Inhalation	Indeterminate				

### tetrasodium ethylene diamine tetraacetate

Route of exposure	Result	Exposure time	Species	Sex	Source
Inhalation	Not sensitizing				ECHA
Dermal	Not sensitizing				ECHA

### Germ cell mutagenicity

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

### Alcohols, C12-15-branched and linear, ethoxylated propoxylated

Result	Exposure time	Specific target organ	Species	Sex	Source
No effect					SDL

### potassium hydroxide

Result	Exposure time	Specific target organ	Species	Sex	Source
No effect					SDL

### sodium hydroxide

Result	Exposure time	Specific target organ	Species	Sex	Source
No effect					SDL

### tetrasodium ethylene diamine tetraacetate

Result	Exposure time	Specific target organ	Species	Sex	Source
No effect					ECHA

### Carcinogenicity

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

### Alcohols, C12-15-branched and linear, ethoxylated propoxylated

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### potassium hydroxide

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### sodium hydroxide

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

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### tetrasodium ethylene diamine tetraacetate

Route of exposure	Parameter	Value	Result	Species	Sex	Source
Dermal	NOAEL	500 mg/kg bw/day	No effect	Rat		ECHA

### Reproductive toxicity

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

### Alcohols, C12-15-branched and linear, ethoxylated propoxylated

Effect	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### potassium hydroxide

Effect	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### sodium hydroxide

Effect	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### tetrasodium ethylene diamine tetraacetate

Effect	Parameter	Value	Result	Species	Sex	Source
Effects on fertility	NOAEL	250 mg/kg bw/day	Negative	Rat		ECHA

### Toxicity for specific target organ - single exposure

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

### Toxicity for specific target organ - repeated exposure

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

### Alcohols, C12-15-branched and linear, ethoxylated propoxylated

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### potassium hydroxide

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### sodium hydroxide

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDL

### tetrasodium ethylene diamine tetraacetate

Route of exposure	Parameter	Value	Result	Species	Sex	Source
Oral	NOAEL	6 mg/kg bw/day		Rat		ECHA
Oral	NOAEL	938 mg/kg bw/day		Mouse		ECHA

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### tetrasodium ethylene diamine tetraacetate

Route of exposure	Parameter	Value	Result	Species	Sex	Source
Oral	LOAEL	60 mg/kg bw/day		Rat		ECHA
Inhalation	NOAEC	3 mg/m <sup>3</sup> of air		Rat		ECHA
Inhalation	LOAEC	15 mg/m <sup>3</sup> of air		Rat		ECHA

#### Aspiration hazard

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

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

##### Other information

not available

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

##### Acute toxicity

#### Alcohols, C12-15-branched and linear, ethoxylated propoxylated

Parameter	Value	Exposure time	Species	Environment	Source
LC <sub>50</sub>	<10 mg/l	96 hours	Fish		SDL
EC <sub>50</sub>	5.36 mg/l	48 hours	Crustaceans		SDL

#### sodium hydroxide

Parameter	Value	Exposure time	Species	Environment	Source
EC <sub>50</sub>	40.4 mg/l	48 hours	Aquatic invertebrates		ECHA

#### tetrasodium ethylene diamine tetraacetate

Parameter	Value	Exposure time	Species	Environment	Source
LC <sub>50</sub>	100 mg/l	4 days	Fish		ECHA
NOEC	100 mg/l	4 days	Fish		ECHA
EC <sub>50</sub>	100 mg/l	48 hours	Aquatic invertebrates		ECHA
EC <sub>50</sub>	60 mg/l	72 hours	Algae		ECHA
NOEC	48.4 mg/l	72 hours	Algae		ECHA
LOEC	100 mg/l	72 hours	Algae		ECHA
EC <sub>0</sub>	100 mg/l	48 hours	Aquatic invertebrates		ECHA
EC <sub>50</sub>	0.0024 µmol/l	24 hours	Microorganisms		ECHA
NOEC	640 mg/l	3 hours	Microorganisms		ECHA
NOEC	84 mg/kg of dry substance of soil	21 days	Higher plants		ECHA
NOEC	58.4 mg/kg of dry substance of soil	14 days	Higher plants		ECHA

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### Chronic toxicity

tetrasodium ethylene diamine tetraacetate					
Parameter	Value	Exposure time	Species	Environment	Source
NOEC	25.7 mg/l	35 days	Fish		ECHA
NOEC	25 mg/l	21 days	Aquatic invertebrates		ECHA
LOEC	50 mg/l	21 days	Aquatic invertebrates		ECHA

### 12.2. Persistence and degradability

The mixture is biodegradable.

#### Biodegradability

Alcohols, C12-15-branched and linear, ethoxylated propoxylated					
Parameter	Value	Exposure time	Environment	Result	Source
	76.9 %	28 days		Easily biodegradable	SDL

potassium hydroxide					
Parameter	Value	Exposure time	Environment	Result	Source
	100 %		Fresh water	Easily biodegradable	SDL

sodium hydroxide					
Parameter	Value	Exposure time	Environment	Result	Source
	-				

tetrasodium ethylene diamine tetraacetate					
Parameter	Value	Exposure time	Environment	Result	Source
DT <sub>50</sub>		2.35 hours	Atmosphere		ECHA
	100 %		Fresh water	Easily biodegradable	ECHA

### 12.3. Bioaccumulative potential

Insignificant.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated		
Parameter	Value	Source
BCF	<500	SDL

potassium hydroxide		
Parameter	Value	Source
	0	SDL

sodium hydroxide		
Parameter	Value	Source
	-	

tetrasodium ethylene diamine tetraacetate		
Parameter	Value	Source
BCF	1.8 l/kg	ECHA

### 12.4. Mobility in soil

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Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

Alcohols, C12-15-branched and linear, ethoxylated propoxylated				
Parameter	Value	Temperature	Result	Source
			Low	ECHA

potassium hydroxide				
Parameter	Value	Temperature	Result	Source
			High, Hydrolytically unstable	SDL

sodium hydroxide				
Parameter	Value	Temperature	Result	Source
	-			

tetrasodium ethylene diamine tetraacetate				
Parameter	Value	Temperature	Result	Source
Koc	312.7	20°C		ECHA

### 12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

### 12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

### 12.7. Other adverse effects

Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

07 06 00 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics  
20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS  
20 01 29\* detergents containing hazardous substances

#### Packaging waste type code

15 01 02 plastic packaging  
15 01 10\* packaging containing residues of or contaminated by hazardous substances

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

## SECTION 14: Transport information

### 14.1. UN number or ID number

UN 1719

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### 14.2. UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

8 Corrosive substances

### 14.4. Packing group

II

### 14.5. Environmental hazards

not relevant

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

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

not relevant

#### Additional information

Hazard identification No.

80

UN number

1719

Classification code

C5

Safety signs

8



Tunnel restriction code

(E)

#### Air transport - ICAO/IATA

Packaging instructions passenger

851

Cargo packaging instructions

855

#### Marine transport - IMDG

EmS (emergency plan)

F-A, S-B

MFAG

705

## 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 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. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

not available

## SECTION 16: Other information

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

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.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

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

P260 Do not breathe mist/vapours/spray.  
P280 Wear protective gloves/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/doctor.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container to in accordance with national regulations.

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

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

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DT <sub>50</sub>	disappearance time for 50%
EC	Identification code for each substance listed in EINECS
EC <sub>0</sub>	Concentration of a substance when it is affected 0 % of the population
EC <sub>50</sub>	Concentration of a substance when it is affected 50 % of the population
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
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
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
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K <sub>ow</sub>	Octanol-water partition coefficient
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

## BS Alkacip

Creation date	15th November 2021	Version	5
Revision date	11th November 2025		

ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
UN number	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
vPvM	Very persistent and very mobile

### 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

not available

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

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.