

BUILDING BLANCHISSANT

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

1.1 - Product identifier

Trade name/designation BUILDING BLANCHISSANT

Chemical name

Product-type Mixture

Product code 30327

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

Relevant identified uses - Facade whitening

1.3 - Details of the supplier of the safety data sheet

IPC

10 QUAI MALBERT – CS 71821

29218 BREST CEDEX 2 France

Telephone : 02.98.43.45.44

Website www.ipc@ipc-sa.com

ipc@groupe-ipc.com

1.4 - Emergency telephone number

- Poison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30 Belgium

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Met. Corr. 1	Corrosive to metals - Category 1
Eye Dam. 1	Serious eye damage, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Skin Corr. 1	Skin corrosion, Category 1

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: potassium hydroxide, caustic potash (CAS No.: 1310-58-3) | Amines, C12-14 –alkyldimethyl , N-Oxides (CAS No.: 308062-28-4) | sodium hypochlorite, solution ... % Cl active (CAS No.: 7681-52-9)

Signal word : Danger

Hazard pictograms



Hazard statements

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life

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H411	Toxic to aquatic life with long lasting effects
Precautionary statements	
P234	Keep only in original packaging.
P260	Do not breathe vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/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.
P310	Immediately call a POISON CENTER/a doctor.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with local regulation.
EUH-phrases	: None

Regulation (EC) No. 648/2004 (Detergents regulation)

- less than 5%: amphoteric surfactants, chlorine-based bleaching agents

2.3 - Other hazards

<u>PBT-substance.</u>	- No substance present at more than 0.1% meets the criteria for classification as a PBT substance according to annex XIII of REACH regulation (EU) n ° 1907/2006
<u>vPvB-substance.</u>	- No substance present at more than 0.1% meets the criteria for classification as a vPvB substance in accordance with Annex XIII of REACH Regulation (EU) No. 1907/2006
<u>Other hazards which do not result in classification</u>	- No substance is known to have endocrine disrupting properties in accordance with Regulation (EU) 2017/2100

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
potassium hydroxide, caustic potash	CAS No. : 1310-58-3 Index No. : 019-002-00-8 EC No. : 215-181-3 REACH No. : 01-2119487136-33-XXXX	2 - 7	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318 Met. Corr. 1 - H290 Skin Corr. 1A - H314	Skin Corr. 1A - H314 : 5>=%<=100 Skin Corr. 1B - H314 : 2>=%<5 Skin Irrit. 2 - H315 : 0,5>=%<2 Eye Irrit. 2 - H319 : 0,5>=%<2
sodium hypochlorite, solution ... % Cl active	CAS No. : 7681-52-9 Index No. : 017-011-00-1 EC No. : 231-668-3 REACH No. : 01-2119488154-34-XXXX	3 - 4	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Eye Dam. 1 - H318 Met. Corr. 1 - H290 Skin Corr. 1B - H314	EUH031 - : 5>=%<=100 M-factor: 10 / 1

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Chemical name	No	%	Class(es)	Specific concentration limit
Amines, C12-14 -alkyldimethyl , N-Oxides	CAS No. : 308062-28-4 Index No. : EC No. : 931-292-6 REACH No. : 01-2119490061-47-XXXX	1 - 4	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411 Eye Dam. 1 - H318 Skin Irrit. 2 - H315	M-factor: 1
sodium p-cumenesulphonate	CAS No. : 15763-76-5 Index No. : EC No. : 239-854-6 REACH No. : 01-2119489411-37	0 - 1	Eye Irrit. 2 - H319	Not applicable
2-phosphonobutane-1,2,4-tric arboxylic acid	CAS No. : 37971-36-1 Index No. : EC No. : 253-733-5	0 - 0,5	Eye Irrit. 2 - H319 Met. Corr. 1 - H290	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- 1 - In case of massive inhalation and symptoms, transport the victim outside and keep him/her at rest in a position where he/she can breathe comfortably
- 2 - Immediately call a doctor or the Poison Control Centre, specifying the product
- 3 - Make sure there is good air circulation. Untie anything that might be tight, such as a collar, tie, belt...
- 4 - In case of fainting, place the person in the lateral safety position (PLS)
- 5 - Give artificial respiration ONLY if the subject is not breathing (mouth to mouth)
- 6 - Carry out cardiopulmonary resuscitation (cardiac massage) if there is both respiratory arrest and absence of a pulse

Following skin contact

- 1 - Remove the container and stop the flow of the causative agent
- 2 - Remove soiled or impregnated clothing immediately.
- 3 - In case of doubt or if there are symptoms, seek immediate medical attention or contact the Poison Control Centre.
- 4 - Indicative rinse time:
 - T > 15 to 20 min. moderate to severe irritation and acute toxicity
 - T > 30 min. corrosive

After eye contact

- 1 - Rinse the eye with plenty of warm water or physiological serum for at least 15 minutes.
- 2 - Immediately call a doctor or the Poison Control Centre, specifying the product
- 3 - Rinsing instructions: remove contact lenses if the victim is wearing them and if they can be easily removed, continue rinsing. Always run the water from the nose to the ear. Avoid splashing into the other eye. Hold the eye open with your fingers. Move the eye in all directions while rinsing.
- 4 - Once the rinsing is done, cover the eye with a compress while waiting for help.

After ingestion

- 1 - NEVER make the victim VOMITING or DRINKING

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- 2 - Immediately call a doctor or the Poison Control Centre, specifying the product.
- 3 - Take the victim outside and keep him/her at rest in a position where he/she can breathe comfortably.
- 4 - If vomiting occurs, hold the head down to prevent vomit from entering the lungs.

4.2 - Most important symptoms and effects, both acute and delayed

- | | |
|--|--|
| <u>Symptoms and effects - Following inhalation</u> | - The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11. |
| <u>Symptoms and effects - Following skin contact</u> | - The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11. |
| <u>Symptoms and effects - After eye contact</u> | - The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11. |
| <u>Symptoms and effects - After ingestion</u> | - The most important known symptoms and effects are described on the label (see section 2.2) and / or in section 11. |

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

- Consult your doctor and show him this safety data sheet

SECTION 5: Firefighting measures

5.1 - Extinguishing media

- | | |
|---------------------------------------|--|
| <u>Suitable extinguishing media</u> | <ul style="list-style-type: none">- 1 - Class B lights:- 2 - Powder extinguisher (dry multipurpose ABC and BC powder)- 3 - CO2 fire extinguisher- 4 - Water with AFFF (Floating Film Forming Agent) additive- 5 - Foam- 6 - Sand- 7 - Fire blanket |
| <u>Unsuitable extinguishing media</u> | <ul style="list-style-type: none">- 1 - Water spray extinguishers without additives, except for flammable fires with a flashpoint above 100°C- 2 - Water jet spray- 3 - Water should not be used on liquids less dense than water |

5.2 - Special hazards arising from the substance or mixture

- | | |
|--|--|
| <u>Special hazards arising from the substance or mixture</u> | - A fire will often produce thick black smoke. Exposure to decomposition products can cause health risks |
| <u>Hazardous decomposition products</u> | <ul style="list-style-type: none">- Methyl chloride- Do not breathe fumes. Combustion products may contain carbon monoxide, carbon dioxide (CO2), nitrogen oxide (NO), nitrogen dioxide (NO2) |

5.3 - Advice for firefighters

- * Main fire-fighting measures:

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- 1- The intervention must be carried out wearing boots, gloves, eye and face protection, a self-contained breathing apparatus and a suit adapted to the chemical substances
- 2- Remove the fuel.
- 3- Prevent the containers from heating up by using water curtains or a heat shield.
- 4- Isolate the impacted area.
- 5- Adapting extinguishing measures to the surrounding environment
- 6- Do not allow extinguishing water to enter drains and waterways, treat as hazardous waste.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- *Procedure for minor spills
- 1- Alert / evacuate people in the immediate area.
- 2- Cut off the source of the spill and sources of ignition and heat
- 3- Schließen Sie die Türen oder sperren Sie den Bereich mit Klebeband ab.
- 4- Put on the appropriate personal protective equipment (see section 8).
- 5 - Avoid breathing the vapours and wear an appropriate filter mask
- 6- Contain and cover the spill with suitable absorbent granules (see 6.3).
- 7- Ventilate to the outside.
- 8- Collect the absorbent granules and dispose of them as hazardous waste (see heading 13). Clean the soiled area thoroughly with water.
- 9- If the spill is not under control, call the emergency services on site and prepare the Safety Data Sheets (SDS) to be given to the response team. If there are signs of seriousness, evacuate the houses. Report the accident to the DREAL.

For emergency responders

- Rescuers are equipped with appropriate personal protective equipment (see section 8).

6.2 - Environmental precautions

- 1 - Avoid release to the environment.
- 2 - Prevent run-off into waterways, sewers, basements or enclosed spaces
- 3 - Contain and collect spills with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth in drums for waste disposal
- 4 - Waste from cleaning up the spill should be treated as hazardous waste.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Set up a protective enclosure: use socks, absorbent sheets and pads for minor spills and booms, absorbent rolls for major spills.
- Contain and collect spills with non-combustible absorbent materials in drums for waste disposal.
- Sewer cover: use blanket covers, unless the building is on retention and the sewers are connected to retention tanks.

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Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4 - Reference to other sections

- See Section 13 for the management of contaminated absorbents
- See section 4 for first aid measures
- See section 5 for fire-fighting measures
- See section 8 for personal protective equipment

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- It is recommended to design all work processes always so that the following is excluded: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Eye contact

Advices on general occupational hygiene

- * Read the label or leaflet before use and follow the specific instructions for each use.
- * Avoid contact with skin, eyes and clothing.
- * Rinsing of surfaces and equipment intended to come into contact with food, drink or foodstuffs is mandatory. Rinse thoroughly with potable water.
- * Equipment, utensils or materials to be disinfected can be pre-washed with water to remove excess dirt.
- * Wash your hands after each use
- * Wash soiled clothing before reuse.
- * The work clothes used must not be worn outside the work area.
- * Do not eat, drink, smoke or snuff during use.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and in a well-ventilated place.
- Store at room temperature in the original tightly closed packaging
- Protect against: Heat
- Store away from heat and incompatible materials (see heading 10).
- Storage must be separated from acids
- Prohibit access by unauthorised persons.

7.3 - Specific end use(s)

- For more information on the use of the product, see the technical data sheet and the label.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

potassium hydroxide, caustic potash (1310-58-3)

Type	Value	User	Effect
DNEL long-term inhalative	1 mg/m3	Consumers	Local

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DNEL long-term inhalative	1 mg/m ³	Workers	Local
sodium p-cumenesulphonate (15763-76-5)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	3,78 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	26,9 mg/m ³	Workers	Systemic
DNEL long-term inhalative	6,6 mg/m ³	Consumers	Systemic
DNEL long-term dermal	136,25 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	0,096 mg/kg bw/day	Workers	Local
DNEL long-term dermal	0,048 mg/kg bw/day	Consumers	Local
DNEL long-term dermal	68,1 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,23 mg/l		
PNEC aquatic, marine water	0,023 mg/l		
PNEC aquatic, intermittent release	2,3 mg/l		
PNEC sediment, freshwater	0,862 mg/kg		
PNEC sediment, marine water	0,0862 mg/kg		
PNEC soil, freshwater	0,037 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		
Amines, C12-14 –alkyldimethyl , N-Oxides (308062-28-4)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	0,44 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	1,53 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	6,2 mg/m ³	Workers	Systemic
DNEL long-term dermal	5,5 mg/kg bw/day	Consumers	Systemic
DNEL long-term dermal	11 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	0,034 mg/l		
PNEC aquatic, marine water	0,003 mg/l		
PNEC aquatic, intermittent release	0,034 mg/l		
PNEC sediment, freshwater	5,24 mg/kg		
PNEC sediment, marine water	0,524 mg/kg		
PNEC soil, freshwater	1,02 mg/kg		
PNEC Secondary Poisoning	11,1 mg/kg		
PNEC sewage treatment plant (STP)	24 mg/l		
2-phosphonobutane-1,2,4-tricarboxylic acid (37971-36-1)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	2,1 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	15 mg/m ³	Workers	Systemic
DNEL long-term inhalative	3,7 mg/m ³	Consumers	Systemic
DNEL long-term dermal	4,2 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	2,1 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	3,33 mg/l		
PNEC aquatic, marine water	0,33 mg/l		
PNEC aquatic, intermittent release	10,42 mg/l		
PNEC sediment, freshwater	1,47 mg/kg		
PNEC soil, freshwater	0,491 mg/kg		
PNEC Secondary Poisoning	0,09 mg/kg		
PNEC sewage treatment plant (STP)	50,4 mg/l		
sodium hypochlorite, solution ... % Cl active (7681-52-9)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	0,26 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	3,1 mg/m ³	Consumers	Systemic
DNEL acute inhalative	3,1 mg/m ³	Workers	Systemic
DNEL long-term inhalative	1,55 mg/m ³	Consumers	Systemic
DNEL long-term inhalative	1,55 mg/m ³	Consumers	Local
DNEL long-term dermal	0,5 mg/kg bw/day	Workers	Local

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PNEC aquatic, freshwater	0,00021 mg/l		
PNEC aquatic, marine water	4,2E-05 mg/l		
PNEC aquatic, intermittent release	0,00026 mg/l		
PNEC sewage treatment plant (STP)	0,03 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- 1 - Ensure adequate ventilation of the storage area.
- 2 - Maintain the premises and workstations in a perfect state of cleanliness and clean them frequently
- 3 - Store personal protective equipment in a clean place, away from the work area.
- 4 - Use clean and properly maintained personal protective equipment. Check the condition before use.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection



- Tested protective gloves must be worn



- Protective clothing



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	yellow	<u>Odour</u>	Chlorine
Odour threshold		No data available	
pH		13 < V < 14	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		> 62 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		1,12 < V < 1,14	
Density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	

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Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	0 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.
- Beware of reactions between acids and bases

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.
- When exposed to high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide, fumes, nitrogen oxide

10.4 - Conditions to avoid

- Keep away from heat.
- Keep in a cool place away from acids.
- Do not mix with other products

10.5 - Incompatible materials

- Incompatible with strong acids and strong oxidants

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.
- Refer to section 5.2 for combustion products.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

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LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

potassium hydroxide, caustic potash (1310-58-3)	
LD50 oral (rat)	333 mg/kg
Amines, C12-14 –alkyldimethyl , N-Oxides (308062-28-4)	
LD50 oral (rat)	1064 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
sodium hypochlorite, solution ... % Cl active (7681-52-9)	
LD50 oral (rat)	> 1100 mg/kg (Rat; Substance d'essai: Chlore) (OCDE ligne directrice 401)
LD50 dermal (rabbit)	> 20000 mg/kg (Lapin; Substance d'essai: Chlore) (OCDE ligne directrice 402)
LC50 inhalation (rat)	> 10,5 ppmV (Rat; 1 h; Substance d'essai: Chlore) (OCDE ligne directrice 403)

Skin corrosion/irritation - Skin corrosion, Category 1 - Causes severe skin burns and eye damage

Serious eye damage/eye irritation - Serious eye damage, Category 1

- Risk of serious damage to eyes.
- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- The mixture does not contain substances identified as endocrine disruptors for human health
- Interaction effects of substances in the mixture: No data on interaction effects of

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SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

potassium hydroxide, caustic potash (1310-58-3)	
LC50 96 hr fish	80 mg/l (Gambusia affinis Guppy sauvage); 96h) (Essai en statique)
Amines, C12-14 –alkyldimethyl , N-Oxides (308062-28-4)	
EC50 48 hr crustacea	3,1 mg/l
LC50 96 hr fish	2,67 mg/l
ErC50 algae	0,143 mg/l
NOEC chronic fish	0,42 mg/l
NOEC chronic crustacea	0,7 mg/l
NOEC chronic algae	0,067 mg/l
sodium hypochlorite, solution ... % Cl active (7681-52-9)	
EC50 48 hr crustacea	0,141 mg/l (Daphnia magna (Grande daphnie); 48 h)
LC50 96 hr fish	0,06 mg/l (Salmo gairdneri)
NOEC chronic fish	0,04 mg/l (Menidia peninsulae (capucette nord-américaine); 96 h)
NOEC chronic crustacea	0,007 mg/l (Crassostrea virginica; 15 jr) Eau de mer
NOEC chronic algae	0,0021 mg/l (algue; 7 Jrs) Eau douce

- Very toxic to aquatic life.
- Toxic to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

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- The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- No substance present at more than 0.1% meets the criteria for classification as a PBT substance according to annex XIII of REACH regulation (EU) n ° 1907/2006

- No substance present at more than 0.1% meets the criteria for classification as a vPvB substance in accordance with Annex XIII of REACH Regulation (EU) No. 1907/2006

12.6 - Endocrine disrupting properties

- This mixture does not contain substances with endocrine disrupting properties for non-target organisms, as they do not meet the criteria set out in part B of Regulation (EU) 2017/2100

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
- Waste code for the product: 16 03 05*
- Waste code for packaging: 15 01 10* (Packaging containing residues of or contaminated by dangerous substances)
- The product and the product packaging are to be considered as hazardous waste.

Sewage disposal

- Do not discharge into drains or waterways

Special precautions for waste treatment

- * Respect the method of treatment taking into account the "Waste Hierarchy": (Waste Framework Directive)
- 1. Prevention (reducing consumption, extending life, reducing the harmful effects of the waste or the content of harmful substances)
- 2. Preparation for re-use (checking, cleaning or repairing for recovery of waste for re-use without pre-treatment)
- 3. Recycling (reprocessing of waste into products, materials or substances for their original function or for other purposes)
- 4. Other recovery, including energy recovery (making the waste replace materials that would have been used, or fuels for energy recovery)
- 5. Disposal (any operation that is not recovery)

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Community or national or regional provisions : - For waste disposal, contact the relevant authorised waste disposal service.

SECTION 14: Transport information

14.1 - UN number or ID number

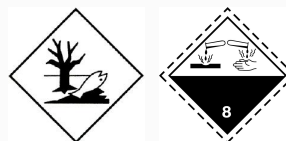
UN number (ADR) : UN1719
UN number (RID) : UN1719
UN number (IMDG) : UN1719

14.2 - UN proper shipping name

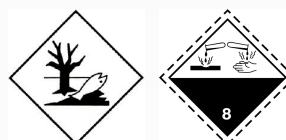
UN proper shipping name (ADR) : CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide, caustic potash, sodium hypochlorite, solution ... % Cl active)
UN proper shipping name (RID) : CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide, caustic potash, sodium hypochlorite, solution ... % Cl active)
UN proper shipping name (IMDG) : CAUSTIC ALKALI LIQUID, N.O.S. (potassium hydroxide, caustic potash, sodium hypochlorite, solution ... % Cl active)

14.3 - Transport hazard class(es)

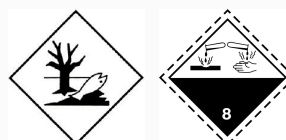
ADR Transport hazard class(es) : 8
ADR Classification code: : C5
Pictograms



Transport hazard class(es) (RID) : 8
Pictograms



Transport hazard class(es) (IMDG) : 8
Pictograms



14.4 - Packing group

Packing group : II
Packing group (RID) : II
Packing group (IMDG) : II

14.5 - Environmental hazards

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<u>Environmental hazards</u>	:	Yes.
<u>Marine pollutant</u>	:	Hazardous to the aquatic environment - Aquatic Acute 1 Hazardous to the aquatic environment - Aquatic Chronic 2

14.6 - Special precautions for user

ADR

<u>ADR Classification code:</u>	:	C5
<u>ADR Special provisions</u>	:	274
<u>ADR Limited quantity (LQ)</u>	:	1L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001 IBC02
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP15
<u>Instructions for portable tanks and bulk containers</u>	:	T11
<u>Special provisions for portable tanks and bulk containers</u>	:	TP2 TP27
<u>ADR tank code</u>	:	L4BN
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	AT
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	
<u>ADR Hazard identification number (Kemler No.)</u>	:	80

RID

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	274
<u>Limited quantity (LQ)</u>	:	1 L
<u>Excepted quantities</u>	:	E2
<u>Packing instructions</u>	:	P001
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	IBC02
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T11
<u>Special provisions for portable tanks and bulk containers</u>	:	TP2 TP27
<u>EmS codes</u>	:	F-A, S-B
<u>Stowage and handling</u>	:	Category A
<u>Segregation</u>	:	SGG18 SG22 SG35
<u>Properties and observations</u>	:	Reacts violently with acids. Reacts with ammonium salts, evolving ammonia gas. Causes burns to skin, eyes and mucous membranes.

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14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0 %

- Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
- Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).
- The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
- Regulation (EC) No. 648/2004 (Detergents regulation)

Regulation (EC) No. 648/2004 (Detergents regulation)

- less than 5%: amphoteric surfactants, chlorine-based bleaching agents

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No chemical safety assessment has been performed for the mixture.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1,02	25/04/2022		Update of SDS headings - compliance with Annex II of the REACH Regulation (amended by Regulation (EU) No 878/2020 of 18 June 2020)
1,01	19/11/2021		
1	02/08/2021		

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Eye Dam. 1	Serious eye damage, Category 1
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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Met. Corr. 1	Corrosive to metals - Category 1
Skin Corr. 1	Skin corrosion, Category 1
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 453/2010)

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