

SAFETY DATA SHEET

HYLINE HLG 10

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 07.02.2012

Revision date 09.12.2020

1.1. Product identifier

Product name HYLINE HLG 10

UFI CRE0-D0PQ-E000-PXD4

Article no. 72201

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

Product group Alkaline dishwashing liquid for dishwashers.

Main intended use PC-DET-3.2 Automatic dishwashing detergents - professional or industrial use

Relevant identified uses
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)
PC35 Washing and cleaning products (including solvent based products)
PROC2 Use in closed, continuous process with occasional controlled exposure
ERC8A Wide dispersive indoor use of processing aids in open systems

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Distributor

Company name HOBART GmbH

Postal address Robert-Bosch-Strasse 17

Postcode DE-77656

City Offenburg

Country Tyskland

Telephone number + 49 781 600-0

Fax + 49 781 600-2319

Email hyline@hobart.de

Website <http://www.hobart.de>

1.4. Emergency telephone number

Emergency telephone Description: UK: NHS: 111
 EI: National Poisons Information Centre, 24/7: 01 809 2166

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] Skin Corr. 1B; H314; Calculation method
 Eye Dam. 1; H318; Calculation method
 Aquatic Chronic 3; H412; Calculation method

Substance / mixture hazardous properties For further information, please refer to section 11.

Additional information on classification The informations stated in this MSDS, applies for the concentrated product. See Sec. 16, for informations regarding recommended user solutions

2.2. Label elements

Hazard pictograms (CLP)



Composition on the label Potassium Hydroxide, Disodium metasilicate, pentahydrate

Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P280 Wear protective gloves / protective clothing / eye protection / face protection.
 P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / 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 or doctor / physician.
 P273 Avoid release to the environment.

2.3. Other hazards

Health effect Corrosive to skin and eyes. May cause permanent damage to the eyes, especially if the product is not washed away IMMEDIATELY. See section 11 for additional information on health hazards.

Environmental effects The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well. Substantial amounts of the product may lead to a local change in acidity in small water systems which may have adverse effects on aquatic organisms. This product does not contain any PBT or vPvB substances.

Other hazards

No evidence for endocrine disrupting properties.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Potassium Hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8 REACH Reg. No.: 01-2119487136-33-xxxx	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318 Additional information on classification: Eye Irrit. 2; H319: 0,5 % ≤ C < 2 % Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %	1 - 5 %	
Disodium metasilicate, pentahydrate	CAS No.: 10213-79-3 EC No.: 229-912-9 REACH Reg. No.: 01-2119449811-37-xxxx	Skin Corr. 1B; H314 Eye Dam. 1; H318 Met. Corr. 1; H290 STOT SE 3; H335	1 - 5 %	
Sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 Index No.: 011-005-00-2 REACH Reg. No.: 01-211-9485498-19	Eye Irrit. 2; H319	1 - 5 %	
Zinc sulphate (monohydrate)	CAS No.: 7446-19-7 Index No.: 030-006-00-9	Acute tox. 4; H302; Eye Dam. 1; H318; Aquatic Acute 1; H400; M-factor 1; Aquatic Chronic 1; H410; M-factor 1;	< 1 %	
Amines, C12-14 (even numbered) - alkyldimethyl, N-oxides	CAS No.: 308062-28-4 EC No.: 931-292-6 REACH Reg. No.: 01-2119490061-47-xxxx	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 2; H411	< 1 %	
Substance comments	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: 5-15%: phosphates , <5%: phosphonate , polycarboxylates , anionic surfactant , nonionic surfactant . The full text for all hazard statements is displayed in section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General

Remove affected person from source of contamination.

Inhalation

Move injured person into fresh air and keep person calm under observation. If

	uncomfortable: Seek hospital and bring these instructions.
Skin contact	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.
Eye contact	Important! Immediately rinse with water for at least 15 minutes. May cause permanent damage if eye is not immediately irrigated. Make sure to remove any contact lenses from the eyes before rinsing. Immediately transport to hospital or eye specialist. Continue flushing during transport to hospital.
Ingestion	Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Do not give victim anything to drink if he is unconscious.
Recommended personal protective equipment for first aid responders	Wear necessary protective equipment. For personal protection, see section 8.

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

Acute symptoms and effects	Strongly corrosive. May cause deep tissue damage. May cause burns in mucous membranes, throat, oesophagus and stomach. Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.
Delayed symptoms and effects	The etching penetrates deeply into the tissue and is first noticed after a while.

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

Other information	In case of unconsciousness, ingestion or eye contact: Immediately call a doctor / ambulance. Show this safety data sheet.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
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5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable. During fire, gases hazardous to health may be formed. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.
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5.3. Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.
Fire fighting procedures	Reference is made to the company fire procedure. If risk of water pollution occurs, notify appropriate authorities. Avoid breathing fire vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Look out! The product is corrosive. Use protective gloves, goggles and suitable protective clothing. In case of inadequate ventilation use suitable respirator. For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Cleaning method	Dam and absorb spillage with sand, sawdust or other absorbent. Wash contaminated area with water.
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6.4. Reference to other sections

Other instructions	See section 8 and section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Avoid spilling, skin and eye contact. Use work methods which minimize spreading of vapours, dust, smoke, aerosols, splashes etc. to the extent technically possible. Do not mix with acidic products.
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Protective safety measures

Advice on general occupational hygiene	Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Eating, smoking and water fountains prohibited in immediate work area. Take off contaminated clothing and personal protective equipment before entering an eating area..
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container. Keep away from food, drink and animal feeding stuffs. Store protected from acids. Store the product away from direct sunlight in opaque containers.
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Conditions for safe storage

Storage temperature	Value: 0 -35 °C
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Storage stability	Durability: 36 months.
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7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
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Potassium Hydroxide

CAS No.: 1310-58-3

Limit value (short term)Value: 2 mg/m³**DNEL / PNEC**

Substance

Potassium Hydroxide

DNEL

Group: Consumer**Route of exposure:** Lang sigt (gentages) - Indånding - Lokal effekt**Value:** 1 mg/m³**Group:** Professional**Route of exposure:** Lang sigt (gentages) - Indånding - Lokal effekt**Value:** 1 mg/m³

Substance

Disodium metasilicate, pentahydrate

DNEL

Group: Professional**Route of exposure:** Long-term inhalation (systemic)**Value:** 6,22 mg/m³**Group:** Consumer**Route of exposure:** Long-term inhalation (systemic)**Value:** 1,55 mg/m³**Group:** Consumer**Route of exposure:** Long-term oral (systemic)**Value:** 0,74 mg/kg bw/d**Group:** Professional**Route of exposure:** Long-term dermal (systemic)**Value:** 1,49 mg/kg bw/d**Group:** Consumer**Route of exposure:** Long-term dermal (systemic)**Value:** 0,74 mg/kg bw/d

PNEC

Route of exposure: Freshwater**Value:** 7,5 mg/l**Route of exposure:** Saltwater**Value:** 1 mg/l**Route of exposure:** Water**Value:** 7,5 mg/l**Route of exposure:** Sewage treatment plant STP**Value:** 1000 mg/l

Substance

Sodium carbonate

DNEL

Group: Worker**Route of exposure:** Long term (repeated) - Inhalation**Value:** 10 mg/m³**Reference:** Supplier MSDS

Substance

Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides

DNEL

Group: Professional**Route of exposure:** Long-term inhalation (systemic)

Value: 6,2 mg/m³

Group: Professional

Route of exposure: Long-term dermal (systemic)

Value: 11 mg/kg bw/day

Group: Consumer

Route of exposure: Long-term inhalation (systemic)

Value: 1,53 mg/m³

Group: Consumer

Route of exposure: Long-term dermal (systemic)

Value: 5,5 mg/kg bw/day

Group: Consumer

Route of exposure: Long-term oral (systemic)

Value: 0,44 mg/kg bw/day

PNEC

Route of exposure: Freshwater

Value: 0,034 mg/l

Route of exposure: Saltwater

Value: 0,003 mg/l

Route of exposure: Freshwater sediments

Value: 5,24 mg/kg dw

Route of exposure: Saltwater sediments

Value: 0,524 mg/kg dw

Route of exposure: Soil

Value: 1,02 mg/kg dw

Route of exposure: Sewage treatment plant STP

Value: 24 mg/l

Route of exposure: Food products

Value: 11,1 mg/kg

8.2. Exposure controls

Safety signs



Precautionary measures to prevent exposure

Technical measures to prevent exposure

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. An eye wash bottle must be available at the work site.

Eye / face protection

Suitable eye protection

Wear approved safety goggles. EN 166.

Hand protection

Skin- / hand protection, long term contact	Use protective gloves made of: Butyl rubber. $\geq 0,5$ mm Neoprene. $\geq 0,5$ mm Nitrile. $\geq 0,4$ mm EN 374.
Breakthrough time	Value: ≥ 480 minute(s)
Hand protection, comments	Manufacturer's directions for use should be observed because of great diversity of types. The recommendation is a qualified estimate based on knowledge of the components.

Skin protection

Additional skin protection measures	Wear apron or protective clothing in case of contact. Wear rubber footwear.
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Respiratory protection

Respiratory protection necessary at	Respiratory protection is not required for normal use.
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Thermal hazards

Thermal hazards	See section 5.
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Appropriate environmental exposure control

Environmental exposure controls	See section 6.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Colourless.
Odour	No characteristic odour.
pH	Status: In delivery state Value: $> 13,0$ Status: In aqueous solution Value: $\sim 10,5$ Comments: 0,2%
Melting point / melting range	Comments: Not relevant.
Freezing point	Value: -7 °C
Boiling point / boiling range	Comments: Not relevant.
Flash point	Comments: Not relevant.
Evaporation rate	Comments: Not relevant.
Flammability	Not relevant.

Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Vapour density	Comments: Not relevant.
Bulk density	Value: ~ 1,15 kg/l
Solubility	Comments: Completely soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Auto-ignition temperature	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 50 mPas.
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Other physical and chemical properties

Comments	No data recorded.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Reacts violently with strong acids. Risk of bumping (splashes).
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10.4. Conditions to avoid

Conditions to avoid	Extremes of temperatures. Avoid contact with acids.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Acids, oxidising. Alkali-sensitive metals such as aluminium, tin, lead and zinc and alloys with these metals.
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10.6. Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Potassium Hydroxide
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 333 mg/kg Animal test species: Rat Test reference: OECD 425</p>
Substance	Disodium metasilicate, pentahydrate
Acute toxicity	<p>Effect tested: LD50 Route of exposure: Oral Value: 1152 -1349 mg/kg Animal test species: Rat</p> <p>Effect tested: LC50 Route of exposure: Inhalation. Value: > 2,06 g/m³ Animal test species: Rat</p> <p>Effect tested: LD50 Route of exposure: Dermal Value: > 5000 mg/kg</p>
Substance	Sodium carbonate
Acute toxicity	<p>Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 2800 mg/kg Animal test species: Rat Comments: Supplier MSDS</p> <p>Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 2h Value: 0,8 mg/l Animal test species: guinea pig Comments: Supplier MSDS</p> <p>Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 2h Value: 1,2 mg/l Animal test species: Mice Comments: Supplier MSDS</p> <p>Type of toxicity: Acute Effect tested: LC50 Route of exposure: Inhalation. Duration: 2h Value: 2,3 mg/l Animal test species: Rat Comments: Supplier MSDS</p>

	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: Rabbit Comments: Supplier MSDS
Substance	Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 1064 mg/kg Animal test species: Rat
Other toxicological data	Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification	No evidence for acute toxicity.
Inhalation	Aerosols may be corrosive. Inhalation may cause: Serious damage to the lining of nose, throat and lungs.
Skin contact	Strongly corrosive. May cause deep tissue damage.
Eye contact	Strongly corrosive. Causes severe burns. Immediate first aid is imperative. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight.
Ingestion	Strongly corrosive. Even small amounts may be fatal. Symptoms are severe burning pains in mouth, throat and stomach.
Sensitisation	No evidence for respiratory nor skin sensitization.
Assessment of germ cell mutagenicity, classification	No evidence for germ cell mutagenicity.
Assessment of carcinogenicity, classification	No evidence for carcinogenicity.
Assessment of reproductive toxicity, classification	No evidence for reproductive toxicity.
Assessment of specific target organ toxicity - single exposure, classification	No evidence for STOT-single exposure.
Substance	Disodium metasilicate, pentahydrate
Specific target organ toxicity - repeated exposure, test results	Method: NOAEL Route of exposure: Oral Dose: 227 mg/kg bw /d Species: Rat Evaluation result: Negative.
Assessment of specific target organ toxicity - repeated exposure, classification	No evidence for STOT-repeated exposure.
Assessment of aspiration hazard, classification	No evidence for aspiration hazard.

Symptoms of exposure

Endocrine disruption

No evidence for endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Potassium Hydroxide
Aquatic toxicity, fish	Value: 80 mg/l Test duration: 96 hour(s) Species: GAMBUSIA AFFINIS Method: LC50
Substance	Disodium metasilicate, pentahydrate
Aquatic toxicity, fish	Toxicity type: Acute Value: 210 mg/l Test duration: 96 hour(s) Species: Brachydanio rerio
Substance	Sodium carbonate
Aquatic toxicity, fish	Value: 300 mg/l Test duration: 96H Species: Lepomis macrochirus Method: LC50
Substance	Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides
Aquatic toxicity, fish	Toxicity type: Acute Value: 1,26 mg/l Exposure time: 96 hour(s) Species: Oncorhynchus mykiss Method: LC50, OECD 203 Toxicity type: Chronic Value: 0,42 mg/l Species: Pimephales promelas
Substance	Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides
Aquatic toxicity, algae	Toxicity type: Acute Value: 0,19 mg/l Test duration: 72 hour(s) Species: Pseudokirchneriella subcapitata Method: ErC 50 Toxicity type: Chronic Value: 0,067 mg/l Test duration: 28 day(s) Species: Periphyton Method: NOEC
Substance	Disodium metasilicate, pentahydrate
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 1700 mg/l Test duration: 48 hour(s)

	Species: Daphnia magna Method: EC50
Substance	Sodium carbonate
Aquatic toxicity, crustacean	Value: 200 - 227 mg/l Test duration: 48H Species: Ceriodaphnia dubia Method: EC50
Substance	Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 2,9 mg/l Exposure time: 48 hour(s) Species: Daphnia magna Method: EC50 OECD TG 202
Ecotoxicity	Toxicity type: Chronic Value: 0,70 mg/l Exposure time: 21 day(s) Species: Daphnia magna Method: OECD 211 NOEC
	The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. Contains a substance (Aquatic Acute 1; H400 or Aquatic Chronic 1; H410) that falls within the scope of the multiplication factor rule. Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is easily biodegradable.
Substance	Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides
Biodegradability	Value: 80 % Method: ISO 14593 Test period: 28 day(s)

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulating.
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12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Other adverse effects

Potential endocrine disruptor	Comments: No evidence for endocrine disrupting properties.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point. Dispose of waste and residues in accordance with local authority requirements. -
Appropriate methods of disposal for the contaminated packaging	Dispose unused product and the packaging in accordance with local requirements.
EWC waste code	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
EWL packing	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: Yes
Other information	Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

Dangerous goods	Yes
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14.1. UN number

ADR/RID/ADN	1719
IMDG	1719
ICAO/IATA	1719

14.2. UN proper shipping name

Proper shipping name English ADR/RID/ADN	CAUSTIC ALKALI LIQUID, N.O.S.
Technical name/Danger releasing substance English ADR/RID/ADN	Potassium hydroxide, Disodium Trioxosilicate
ADR/RID/ADN	CAUSTIC ALKALI LIQUID, N.O.S.
Technical name/danger releasing substance ADR/RID/ADN	Potassium hydroxide, Disodium Trioxosilicate
IMDG	CAUSTIC ALKALI LIQUID, N.O.S.
Technical name/danger releasing substance IMDG	Potassium hydroxide, Disodium Trioxosilicate
ICAO/IATA	CAUSTIC ALKALI LIQUID, N.O.S.
Technical name/danger releasing substance ICAO/IATA	Potassium hydroxide, Disodium Trioxosilicate

14.3. Transport hazard class(es)

ADR/RID/ADN	8
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Classification code ADR/RID/ADN	C5
IMDG	8
ICAO/IATA	8

14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

14.5. Environmental hazards

IMDG Marine pollutant	No
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14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

Product name	CAUSTIC ALKALI LIQUID, N.O.S.
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Additional information

Hazard label ADR/RID/ADN	8
Hazard label IMDG	8
Hazard label ICAO/IATA	8

ADR/RID Other information

Tunnel restriction code	E
Transport category	3
Hazard No.	80
Other applicable information ADR/RID	80

IMDG Other information

EmS	F-A, S-B
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SECTION 15: Regulatory information

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

Other label information	For professional users only. As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
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Water hazard class (DE)	Water hazard class (WGK): 1: low hazard to waters Source: Self-classification (mixture; calculation rule).
Legislation and regulations	The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments. EH40/2005, Workplace exposure limits 2005, with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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, including amendments. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	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. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Training advice	No particular training or education is required but the user must be familiar with this SDS. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Additional information	READY-TO-USE MIXTURE: 0,08-0,2% Does not require a hazard warning label.
Information added, deleted or revised	Change to Sections: 1, 2, 3, 7, 8, 11, 12, 13, 16
Version	1
Prepared by	ALM