

SAFETY DATA SHEET

Bistro Oven 347

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name	Bistro Oven 347
Product no.	24622, 41502
Unique formula identifier (UFI)	21G0-001P-000F-M243

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

▼ Relevant identified uses of the substance or mixture	Alkaline Grill & Oven Cleaner Restricted to professional and industrial use.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company and address	Novadan ApS Platinvej 21 DK-6000 Kolding Denmark
E-mail	sds@novadan.dk
▼ Revision	18/06/2026
▼ SDS Version	4.0
▼ Date of previous version	13/12/2024 (3.0)

1.4. ▼ Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)
General public:
England - Dial 111 to reach NHS 111 (24 hour service)
Scotland - Dial 111 to reach NHS 24 (24 hour service)
Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Skin Corr. 1; H314, Causes severe skin burns and eye damage.
Eye Dam. 1; H318, Causes serious eye damage.

2.2. ▼ Label elements

Hazard pictogram(s)



Signal word	Danger
Hazard statement(s)	Causes severe skin burns and eye damage. (H314)
▼ Precautionary statement(s)	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ General	Not applicable.
▼ Prevention	Wear protective gloves/protective clothing/eye protection. (P280)
Response	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. (P303+P361+P353) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338) Immediately call a POISON CENTER/doctor. (P310)
▼ Storage	Not applicable.
▼ Disposal	Not applicable.
Hazardous substances	Potassium Hydroxide Disodium metasilicate, pentahydrate
Additional labelling	UFI: 21G0-001P-000F-M243
Labelling of contents according to Detergents Regulation (EC) No 648/2004 (applicable to packaging of detergents sold to the general public)	< 5% · Non-ionic surfactants

2.3. Other hazards

Additional warnings	This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.
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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Potassium Hydroxide	CAS No.: 1310-58-3 EC No.: 215-181-3 UK-REACH: 01-2119487136-33-xxxx Index No.: 019-002-00-8	10-15%	Met. Corr. 1, H290 Acute Tox. 4, H302 (ATE: 333.00 mg/kg) Skin Corr. 1A, H314 Skin Corr. 1B, H314 (SCL: 2.00 %) Skin Irrit. 2, H315 (SCL: 0.50 %) Eye Irrit. 2, H319 (SCL: 0.50 %)	
Disodium metasilicate, pentahydrate	CAS No.: 10213-79-3 EC No.: 229-912-9 UK-REACH: 01-2119449811-37-xxxx Index No.:	1-3%	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335	
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No.: 68515-73-1 EC No.: 500-220-1 UK-REACH: 01-2119488530-xxxx Index No.:	1-3%	Eye Dam. 1, H318 (SCL: 10.00 %)	
Triethanolamine	CAS No.: 102-71-6 EC No.: 203-049-8 UK-REACH: 01-2119486482-31-xxxx Index No.:	1-3%		
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	CAS No.: 196823-11-7 EC No.: 677-779-4 UK-REACH: Index No.:	1-3%	Eye Irrit. 2, H319	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact	Flush exposed area with water for a long time - at least 30 minutes. It may be necessary to flush for several hours. Use a comfortable water temperature (20-30 °C). Contact Poison Information/doctor/hospital for further advice on follow-up and treatment. Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
▼ Eye contact	If in eyes: Flush eyes with plenty of water or saline solution (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.
Ingestion	In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting unless this is recommended by a doctor. Hold head facing down to prevent vomit from returning to the mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.
Burns	Not applicable.

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Some metal oxides

5.3. ▼ Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances.
Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.
Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid direct contact with the product.
Avoid contact during pregnancy and while nursing.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Shelf-life: 36 months.

Recommended storage material Always store in containers of the same material as the original container.

Storage conditions 0 - 25 °C

Incompatible materials Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Potassium Hydroxide
Short term exposure limit (15 minutes) (mg/m³): 2

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

DNEL

D-Glucopyranose, oligomers, decyl octyl glycosides

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	357000 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	595000 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	124 mg/m ³
Long term – Systemic effects - Workers	Inhalation	420 mg/m ³
Long term – Systemic effects - General population	Oral	35.7 mg/kg bw/day

Potassium Hydroxide

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1 mg/m ³
Long term – Local effects - Workers	Inhalation	1 mg/m ³

Triethanolamine

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Dermal	70 µg/cm ²
Long term – Local effects - Workers	Dermal	140 µg/cm ²
Long term – Systemic effects - General population	Dermal	2.66 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	7.5 mg/kg bw/day
Long term – Local effects - General population	Inhalation	400 µg/m ³
Long term – Local effects - Workers	Inhalation	1 mg/m ³
Long term – Systemic effects - General population	Oral	3.3 mg/kg bw/day

PNEC

D-Glucopyranose, oligomers, decyl octyl glycosides

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		176 µg/L
Freshwater sediment		1.516 mg/kg
Intermittent release (freshwater)		270 µg/L
Marine water		17.6 µg/L
Marine water sediment		152 µg/kg
Predators		111.11 mg/kg
Sewage treatment plant		560 mg/L
Soil		654 µg/kg

Triethanolamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		320 µg/L
Freshwater sediment		1.7 mg/kg
Intermittent release (freshwater)		5.12 mg/L
Marine water		32 µg/L
Marine water sediment		170 µg/kg
Sewage treatment plant		10 mg/L
Soil		151 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations Smoking, drinking and consumption of food is not allowed in the work area.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Exposure scenarios	There are no exposure scenarios implemented for this product.
Exposure limits	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Appropriate technical measures	The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene measures	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
Measures to avoid environmental exposure	Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally	Wash contaminated clothing before reuse. Use only UKCA marked protective equipment.
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Respiratory Equipment

Type	Class	Colour	Standards	
In case of inadequate ventilation: Use respiratory equipment with particle filter, type P2.			EN143/EN149	

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing - should be worn.		-	

Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Use protective gloves made of: Butyl rubber: ≥ 0,4 mm Neoprene: ≥ 0,5 mm Nitrile: ≥ 0,7 mm EN 374.	≥ 0,4 - 0,7	≥ 480	EN374	

▼ Eye protection

Type	Standards	
Safety glasses	EN ISO 16321-1	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Colour	Brown
▼ Odour / Odour threshold	No data available.
pH	> 13,0
Density (g/cm³)	~ 1,10

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Kinematic viscosity	< 50 mPa s
Particle characteristics	Does not apply to liquids.

Phase changes

▼ Melting point/Freezing point (°C)	No data available.
Softening point/range (°C)	Does not apply to liquids.
▼ Boiling point (°C)	No data available.
▼ Vapour pressure	No data available.
▼ Relative vapour density	No data available.
▼ Decomposition temperature (°C)	No data available.

Data on fire and explosion hazards

▼ Flash point (°C)	No data available.
▼ Flammability (°C)	No data available.
▼ Auto-ignition temperature (°C)	No data available.
▼ Lower and upper explosion limit (% v/v)	No data available.

Solubility

▼ Solubility in water	No data available.
▼ n-octanol/water coefficient (LogKow)	No data available.
▼ Solubility in fat (g/L)	No data available.

9.2. Other information

VOC (g/L)	0
Other physical and chemical parameters	No data available.
Oxidizing properties	Opfylder ikke kriterierne for brandnærende (oxiderende)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

Thermal decomposition may produce corrosive vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ Acute toxicity

Product/substance: Potassium Hydroxide
Test method: OECD 425
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 333 mg/kg
Other information: Source: Supplier SDS

Product/substance: Disodium metasilicate, pentahydrate
Species: Rat
Route of exposure: Oral
Test: LD50
Result: 1152 -1349 mg/kg bw
Other information: Source: Supplier SDS

Product/substance: Disodium metasilicate, pentahydrate
Species: Rat
Route of exposure: Inhalation
Test: LC50
Result: > 2,06 g/m³
Other information: Source: Supplier SDS

Product/substance: Disodium metasilicate, pentahydrate
Species: Rat
Route of exposure: Dermal
Test: LD50
Result: > 5000 mg/kg bw
Other information: Source: Supplier SDS

Product/substance: D-Glucopyranose, oligomers, decyl octyl glycosides
Test method: OECD 401
Species: Rat, Sprague-Dawley, male/female
Route of exposure: Oral
Test: LD50
Result: > 2000 mg/kg bw
Other information: Source: ECHA

Product/substance: D-Glucopyranose, oligomers, decyl octyl glycosides
Test method: OECD 402
Species: Rabbit, New Zealand White, male/female
Route of exposure: Dermal
Test: LD50
Result: > 2000 mg/kg
Other information: Source: ECHA

Product/substance: Triethanolamine
Test method: OECD 401
Species: Rat, Sprague-Dawley, male/female
Route of exposure: Oral
Test: LD50
Result: >6400 mg/kg bw
Other information: Source: ECHA

Product/substance: Triethanolamine
Test method: OECD 402
Species: Rabbit
Route of exposure: Dermal
Test: LD50
Result: >2000 mg/kg bw
Other information: Source: ECHA

Product/substance: Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method: OECD 423

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species:	Rat
Route of exposure:	Oral
Test:	LD50
Result:	>2000 - 5000 mg/L
Other information:	Source: Supplier SDS

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

Skin corrosion/irritation

Product/substance	Disodium metasilicate, pentahydrate
Result:	Adverse effect observed (Corrosive)

Product/substance	Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method:	OECD 404
Result:	Adverse effect observed (Irritating)
Other information:	Source: Supplier SDS

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Product/substance	Disodium metasilicate, pentahydrate
Result:	Adverse effect observed (Causes serious eye damage)

Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Highly irritating)

Product/substance	Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method:	OECD 405
Species:	Rabbit
Result:	Adverse effect observed (Slightly irritating)
Other information:	Source: Supplier SDS

Causes serious eye damage.

Respiratory sensitization

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

▼ STOT-repeated exposure

Product/substance	Disodium metasilicate, pentahydrate
Species:	Rat
Test:	NOAEL
Result:	227 mg/kg bw/day
Other information:	Source: Supplier SDS

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

Aspiration hazard

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ Symptoms related to the physical, chemical and toxicological characteristics

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, irritations and burns in the respiratory organs as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

11.2. Information on other hazards

▼ Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

▼ Other information

Triethanolamine has been classified by IARC as a group 3.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼ Toxicity

Product/substance	Potassium Hydroxide
Test method:	LC50
Species:	Fish, <i>Gambusia affinis</i>
Duration:	96 hours
Result:	80 mg/L
Other information:	Source: Supplier SDS
Product/substance	Disodium metasilicate, pentahydrate
Species:	Fish, <i>Brachydanio rerio</i>
Duration:	96 hours
Test:	LC50
Result:	210 mg/L
Other information:	Source: Supplier SDS
Product/substance	Disodium metasilicate, pentahydrate
Species:	Crustacean, <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	1700 mg/L
Other information:	Source: Supplier SDS
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Species:	Fish
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	100,81 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Species:	Algae, <i>Desmodesmus subspicatus</i>
Compartment:	Freshwater
Duration:	72 hours
Result:	27,22 mg/L
Other information:	Source: ECHA
Product/substance	D-Glucopyranose, oligomers, decyl octyl glycosides
Test method:	OECD 202
Species:	<i>Daphnia</i> , <i>Daphnia magna</i>
Duration:	48 hours
Test:	EC50
Result:	> 100 mg/L
Other information:	Source: ECHA
Product/substance	Triethanolamine

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Species: Fish, Pimephales promelas
Duration: 96 hours
Test: LC50
Result: 11800 mg/L
Other information: Source: ECHA

Product/substance Triethanolamine
Species: Daphnia, Ceriodaphnia dubia
Compartment: Freshwater
Duration: 48 hours
Test: EC50
Result: 609,88 mg/L
Other information: Source: ECHA

Product/substance Triethanolamine
Species: Algae, Scenedesmus subspicatus
Compartment: Freshwater
Duration: 72 hours
Test: EC50
Result: 512 mg/L
Other information: Source: ECHA

Product/substance Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method: OECD 203
Species: Fish, Brachydanio rerio
Duration: 96 hours
Test: LC50
Result: >2,15 - < 4,64 mg/L
Other information: Source: Supplier SDS

Product/substance Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method: DIN 38412
Species: Algae, Scenedesmus subspicatus
Duration: 72 hours
Test: EC50
Result: 37,07 mg/L
Other information: Source: Supplier SDS

Product/substance Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Species: Daphnia, Daphnia magna
Duration: 48 hours
Test: EC50
Result: 3,59 mg/L
Other information: Source: Supplier SDS

Product/substance Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
Test method: DIN 38412
Species: Algae, Scenedesmus subspicatus
Duration: 72 hours
Test: EC10
Result: 16,75 mg/L
Other information: Source: Supplier SDS

Based on available data, the classification criteria are not met.
Not classified as dangerous to the environment.

12.2. ▼ Persistence and degradability

The product is easily biodegradable.

Product/substance Disodium metasilicate, pentahydrate
Conclusion: Readily biodegradable

Product/substance D-Glucopyranose, oligomers, decyl octyl glycosides
Result: > 60 %
Conclusion: Readily biodegradable

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test: OECD 301 B

Product/substance
Conclusion: Triethanolamine
Readily biodegradable

Product/substance
Duration: Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block
28 days
Result: > 70 %
Conclusion: Readily biodegradable
Test: OECD 301 A
Other information: Source: Supplier SDS

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

The product is not bioaccumulating

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. ▼ Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

12.7. Other adverse effects

Large amounts of the product may affect the acidity (pH-factor) in water with possible risk of harmful effects to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste. (*)

HP 8 – Corrosive

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code 20 01 29* Detergents containing dangerous substances

Contaminated packing

EWC code 15 01 10*
Packaging containing residues of or contaminated by dangerous substances

SECTION 14: TRANSPORT INFORMATION

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR/AD N/RID	UN1719 CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate, Potassium Hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	No	Limited quantities: 1 L Tunnel restriction code: (E) See below for additional information.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
IMDG	UN1719 CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate, Potassium Hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	No	Limited quantities: 1 L EmS: F-A S-B See below for additional information.
IATA	UN1719 CAUSTIC ALKALI LIQUID, N.O.S. (Disodium metasilicate, pentahydrate, Potassium Hydroxide)	Transport hazard class: 8 Label: 8 Classification code: C5 	II	No	See below for additional information.

* Packing group

** Environmental hazards

▼ Additional information

This product is within scope of the regulations of transport of dangerous goods.

ADR/ADN/RID / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

Restrictions for application	Restricted to professional users. People under the age of 18 shall not be exposed to this product. Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.
Demands for specific education	No specific requirements.
SEVESO - Categories / dangerous substances	Not applicable.
Labelling of contents according to Detergents Regulation (EC) No 648/2004	< 5% · Non-ionic surfactants
Additional information	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents as retained and amended in UK law. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Sources	The Management of Health and Safety at Work Regulations 1999. The Health and Safety at Work etc. Act 1974 Regulations 2013. Regulation (EC) No 648/2004 on detergents as retained and amended in UK law.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 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.

▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EC = Effective concentration

ED = Effective dose

EINECS = European Inventory of Existing Commercial chemical Substances

EL = Effective Loading

ErC = Concentration associated with x% growth rate response

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWG = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

HP = Hazardous Property code

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IC = X maximum inhibitory concentration

IMDG = International Maritime Dangerous Goods

LC = Lethal concentration

LCLo = Value is the lowest concentration of a material in air reported to have caused the death of animals or humans

LD = Lethal dose

LOAEC = Lowest Observed Adverse Effect Concentration

LOAEL = Lowest Observed Adverse Effect Level

LOEC = Lowest Observed Effect Concentration

LogKow = logarithm of the n-octanol/water coefficient

LL = Lethal Loading

M = For multiplication factor

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOAEC = No Observed Adverse Effect Concentration
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
NOELR = No Observable Effect Loading Rate
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of skin corrosion and serious eye damage is based on the pH-criterion given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

SUSM

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en