

SAFETY DATA SHEET

HP CLEAN

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 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	08.09.2009
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Revision date	13.01.2025
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1.1. Product identifier

Product name	HP CLEAN
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Synonyms	HP7
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Article no.	T483084 (1 liters), T483094 (5 liters), T483074 (25 liters), T483064 (210 liter)
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / mixture	Cleaning agent Detergent.
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1.3. Details of the supplier of the safety data sheet**Downstream user**

Company name	Relekta AS
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Office address	Innspurten 1A
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Postal address	Postboks 6169 Etterstad
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Postcode	0663
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City	Oslo
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Country	Norway
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Telephone number	+47 22 66 04 00
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Fax	+47 22 66 04 01
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Email	post@relekta.no
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Website	www.relekta.no
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Enterprise No.	NO 831 881 372
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1.4. Emergency telephone number

Emergency telephone	Telephone number: 22 59 13 00 Description: Norwegian Poison Information Center
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Telephone number: 112
Description: Sweden: Require Poison Information

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Irrit. 2; H319
Substance / mixture hazardous properties	Causes serious eye irritation.

2.2. Label elements

Hazard pictograms (CLP)



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear eye protection/face protection. P264 Wash thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice / attention.
Detergents	Content according to Regulation (EC) No 648/2004 on detergents: < 5 % phosphates. < 5 % non-ionic surfactants. Perfumes.

2.3. Other hazards

PBT / vPvB	The substances do not meet current criteria for vPvB or PBT (very persistent and very bioaccumulative or Persistent, Bioaccumulative and Toxic).
Health effect	Parts of the chemical might be absorbed through the skin.
Other hazards	None of the substances listed in section 3.2 is listed on ECHA's Endocrine disruptor assessment list.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
2-butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0 REACH Reg. No.:	Acute Tox. 3; H331; SCL ATE inhalation (vapours) = 3 mg/l Acute Tox. 4; H302; SCL	< 5 %	

	01-2119475108-36	ATE oral = 1200 mg/kg Skin Irrit. 2; H315 Eye Irrit. 2; H319	
(C9-C11) Alkyl alcohol ethoxylate	CAS No.: 68439-46-3	Acute tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	< 5 %
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 REACH Reg. No.: 01-2119457558-25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	< 5 %
Content according to Regulation (EC) No 648/2004 on detergents:			
Phosphates			< 5 %
Non-ionic surfactants			< 5 %
Perfume			
Substance comments	For substances without REACH registration number, no information has been provided by the subcontractor or manufacturer. See section 16 for explanation of hazard statements (H) listed above.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Emergency telephone number: see section 1.4. Norway: In case of unconsciousness or severe accidents, call 113. Sweden: In case of unconsciousness or severe accidents, call 112.
Inhalation	Fresh air and rest. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing. Flush skin thoroughly with water. Get medical attention if any discomfort continues.
Eye contact	Promptly rinse eyes with plenty of water (tempered at 20-30°C) for at least 15 minutes. Remove contact lenses and open eyes wide apart. Contact physician if irritation persists.
Ingestion	Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	Inhalation: Solvent vapors may be harmful and overexposure may cause headaches, nausea, vomiting, and intoxication. Skin contact: Contains components which may penetrate the skin. Eye contact: Irritating to eyes and may cause redness and burning. Ingestion: The chemical may irritate the stomach/intestines and can cause abdominal pain, nausea, vomiting and diarrhoea. Can cause headache, fatigue, nausea, dizziness and lightheadedness.
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4.3. Indication of any immediate medical attention and special treatment needed

Other information	Treat symptomatically. No specific information from the manufacturer.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry-powder, carbon dioxide (CO ₂), water mist, alcohol resistant foam.
Improper extinguishing media	Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The chemical is not classified as flammable.
Hazardous combustion products	May include, but is not limited to: Carbon dioxide (CO ₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other information	Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Keep away from sources of ignition - No smoking.
Personal protection measures	Provide adequate ventilation. Use protective equipment as referred to in section 8. Avoid contact with eyes.

6.2. Environmental precautions

Environmental precautionary measures	No recommendation given.
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6.3. Methods and material for containment and cleaning up

Clean up	Absorb in vermiculite, dry sand or earth and place into containers. Collect in a suitable container and dispose as hazardous waste according to section 13. Wash the contaminated surface with water.
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6.4. Reference to other sections

Other instructions	See also sections 7, 8 and 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Observe good chemical hygiene practices. Provide adequate ventilation. Use protective equipment as referred to in section 8. Avoid contact with eyes and skin.
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Protective safety measures

Safety measures to prevent fire	Use only non-sparking tools. Keep away from heat / sparks / open flames / hot surfaces. — No smoking.
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Advice on general occupational hygiene

Do not eat, drink or smoke during work. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage

Store in tightly closed original container in a dry, cool and well-ventilated place.

Conditions to avoid

Frost. Protect from sunlight. Avoid heat, flames and other sources of ignition.

Conditions for safe storage

Packaging compatibilities

Store in original container. Synthetic material.
Unsuitable container material: Metal.

Advice on storage compatability

Keep away from: Metals. Food and feed.

7.3. Specific end use(s)

Specific use(s)

See section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
2-butoxyethanol	CAS No.: 111-76-2	Limit value (8 h) : 10 ppm Limit value (8 h) : 50 mg/m ³ Comments: E H Norwegian exposure limit	
Swedish ADN 2-Butoxyethanol	CAS No.: 111-76-2	Limit value (8 h) : 10 ppm Limit value (8 h) : 50 mg/m ³ Exposure limit letter Letter code: H Limit value (short term) Value: 50 ppm Limit value (short term) Value: 246 mg/m ³ Exposure limit letter Letter code: H	
Propan-2-ol	CAS No.: 67-63-0	Limit value (8 h) : 100 ppm Limit value (8 h) : 245 mg/m ³	
Swedish ADN 2-propanol	CAS No.: 67-63-0	Limit value (8 h) : 150 ppm Limit value (8 h) : 350 mg/m ³ Limit value (short term) Value: 250 ppm Limit value (short term) Value: 600 mg/m ³	
Control parameters comments	Explanation of the notations: E = The EU has an indicative limit value and/or remark for the substance. H = Can be absorbed through the skin. References (laws/regulations): Norwegian regulation on exposure limits: FOR 2011-12-06 nr. 1358 Forskrift om		

tiltaks- og grenseverdier (sist endret gjennom FOR-2024-05-15-782)..
 Swedish regulation on exposure limits: Arbetsmiljöverkets föreskrifter och
 allmänna råd om hygieniska gränsvärden, "Hygieniska gränsvärden", AFS 2018:1

DNEL / PNEC

Substance

2-butoxyethanol

DNEL

Group: Professional

Route of exposure: Long-term inhalation (systemic)

Value: 98 mg/m³

Group: Professional

Route of exposure: Acute inhalation (systemic)

Value: 1091 mg/m³

Group: Professional

Route of exposure: Acute inhalation (local)

Value: 246 mg/m³

Group: Consumer

Route of exposure: Long-term inhalation (systemic)

Value: 59 mg/m³

Group: Consumer

Route of exposure: Acute inhalation (local)

Value: 147 mg/m³

Group: Consumer

Route of exposure: Long-term oral (systemic)

Value: 6,3 mg/kg bw/day

Group: Consumer

Route of exposure: Acute oral (systemic)

Value: 26,7 mg/kg bw/day

PNEC

Route of exposure: Food products

Value: 0,02 g/kg mat

Route of exposure: Soil

Value: 2,33 mg/kg dw

Route of exposure: Sewage treatment plant STP

Value: 463 mg/l

Route of exposure: Saltwater sediments

Value: 3,46 mg/kg dw

Route of exposure: Freshwater sediments

Value: 34,6 mg/kg dw

Route of exposure: Freshwater

Value: 8,8 mg/l

Route of exposure: Saltwater

Value: 0,88 mg/l

Route of exposure: Freshwater

Substance	Value: 26,4 mg/l Comments: Intermittent.
	Propan-2-ol
DNEL	Group: Worker Route of exposure: Long term (repeated) - Inhalation - Systemic effect Value: 500 mg/m ³
	Group: Worker Route of exposure: Long term (repeated) - Dermal - Systemic effect Value: 888 mg/kg bw/d
	Group: Consumer Route of exposure: Long term (repeated) - Dermal - Systemic effect Value: 319 mg/kg bw/d
	Group: Consumer Route of exposure: Long term (repeated) - Inhalation - Systemic effect Value: 89 mg/m ³
	Group: Consumer Route of exposure: Long term (repeated) - Oral - Systemic effect Value: 26 mg/kg bw/d
PNEC	Route of exposure: Freshwater sediments Value: 552 mg/kg dw
	Route of exposure: Water Value: 140,9 mg/l Reference: Intermittent releases.
	Route of exposure: Food products Value: 160 mg/kg
	Route of exposure: Freshwater Value: 140,9 mg/l
	Route of exposure: Saltwater Value: 140,9 mg/l
	Route of exposure: Soil Value: 28 mg/kg dw
	Route of exposure: Saltwater sediments Value: 552 mg/kg dw
	Route of exposure: Sewage treatment plant STP Value: 2251 mg/l

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure

Provide adequate ventilation. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only

suggestions, and should be selected on advice from the supplier of such equipment.

A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipment's suitability and durability will depend on application.

Eye / face protection

Eye protection equipment

Description: Wear safety goggles or face shield.

Reference to relevant standard: EN ISO 16321-1:2022 (Eye and face protection for occupational use - Part 1: General requirements).

Additional eye protection measures

Eye wash facilities shall be available at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable disposable unit.

Hand protection

Suitable gloves type

Nitrile.

Breakthrough time

Comments: No specific information from the manufacturer.

Thickness of glove material

Comments: No specific information from the manufacturer.

Hand protection equipment

Description: Use protective gloves that are suitable for the application. The recommended material of gloves is recommended after a study of the single components in the chemical. Glove thickness must be chosen in consultation with the glove supplier, who can inform about the breakthrough time for the glove. The gloves abilities may vary among the different glove manufacturers. Reference to relevant standard: EN ISO 374 (Protective gloves against chemicals and micro-organisms). EN ISO 21420:2020 (Protective gloves - General requirements and test methods).

Additional hand protection measures

Replace gloves if signs of wear and tear. Gloves must only be worn on clean, dry hands.

Skin protection

Recommended protective clothing

Description: Ordinary workwear.

Additional skin protection measures

Emergency shower should be available at the workplace.

Respiratory protection

Recommended respiratory protection

Description: Normally not required.

If there is insufficient ventilation, use a respirator with type A-filter.

Reference to relevant standard: EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid.

Colour

Green.

Odour	Characteristic.
Odour limit	Comments: Not determined.
pH	Status: In delivery state Value: 9,1
Melting point / melting range	Value: 0 °C
Boiling point / boiling range	Value: 76 - 360 °C
Flash point	Comments: Not determined.
Flammability	Not relevant.
Explosion limit	Value: 0,85 -24,6 vol%
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Particle characteristics	Comments: Not relevant for liquids.
Relative density	Value: 1,02 Temperature: 20 °C
Density	Value: 1018 kg/m³ Temperature: 20 °C
Solubility	Medium: Water Comments: Soluble.
Partition coefficient: n-octanol/ water	Comments: Not relevant for a mixture.
Auto-ignition temperature	Value: 200 °C
Decomposition temperature	Comments: Not determined.
Viscosity	Value: 1 mPa.s Temperature: 20 °C Type: Dynamic Value: 1 mm²/s Temperature: 20 °C Type: Kinematic

9.2. Other information

Physical hazards

Content of VOC	Value: 1,78 %
	Value: 18,12 g/l

Other physical and chemical properties

Physical and chemical properties	No further information is available.
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9.2.2. Other safety characteristics

Evaporation rate	1,3. (BuAc = 1)
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	When heated, the risk of fire increases.
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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	May arise in contact with incompatible materials (see section 10.5) and/or under inappropriate conditions (see section 10.4).
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid freezing. Protect from direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Metals.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None under normal conditions. See also section 5.2.
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SECTION 11: Toxicological information

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

Acute toxicity	Effect tested: LD50 Route of exposure: Oral Method: ~ OECD 401 Value: 5480 mg/kg bw Species: Rat Comments: Applies to CAS 67-63-0.
	Effect tested: LD50 Route of exposure: Dermal Method: ~ OECD 402 Duration: 24 hour(s) Value: 16400 mg/kg bw Species: Rabbit Comments: Applies to CAS 67-63-0.
	Effect tested: LC50 Route of exposure: Inhalation (vapour) Method: ~ OECD 403 Duration: 6 hour(s) Value: > 10000 ppm Species: Rat Gender: Male/Female

	Comments: Applies to CAS 67-63-0.
Substance	2-butoxyethanol
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 1746 mg/kg bw Animal test species: Rat, Male Test reference: OECD 401 Effect tested: LD50 Route of exposure: Oral Value: 1414 mg/kg bw Animal test species: Guinea pig, Male/Female Test reference: OECD 401 Effect tested: LC0 Route of exposure: Dermal Duration: 24 hour(s) Value: > 2000 mg/kg bw Animal test species: Guinea pig, Male/Female Test reference: OECD 402 Route of exposure: Inhalation (vapour) Method: OECD 433 (equivalent to) Duration: 4 hour(s) Value: 2,25 mg/l Animal test species: Guinea pig, Male/Female Comments: (Dose level)
Other toxicological data	Toxicological data (ATE) on components: see section 3.

Other information regarding health hazards

Assessment of acute toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of skin corrosion / irritation, classification	Based on available data, the classification criteria are not met.
Assessment of eye damage or irritation, classification	Irritant to eyes.
Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	Based on available data, the classification criteria are not met.

Assessment of specific target organ toxicity - repeated exposure, classification

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

Assessment of aspiration hazard, classification

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

Symptoms of exposure

In case of ingestion

The chemical may irritate the stomach/intestines and can cause abdominal pain, nausea, vomiting and diarrhoea.

In case of skin contact

Parts of the chemical might be absorbed through the skin.

In case of inhalation

Solvent vapors may be harmful and overexposure may cause headaches, nausea, vomiting, and intoxication.

In case of eye contact

Irritating to eyes and may cause redness and burning.

11.2 Other information

Endocrine disruption

None of the substances listed in section 3.2 is listed on ECHA's Endocrine disruptor assessment list.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity, fish

Toxicity type: Acute
Value: 9640 - 10000 mg/l
Effect dose concentration: LC50
Exposure time: 96 hour(s)
Species: Pimephales promelas Freshwater fish
Method: ~ OECD 203
Comments: Applies to CAS 67-63-0.

Substance

2-butoxyethanol

Aquatic toxicity, fish

Toxicity type: Acute
Value: 1474 mg/l
Effect dose concentration: LC50
Exposure time: 96 hour(s)
Species: Oncorhynchus mykiss
Method: OECD 203

Toxicity type: Chronic
Value: > 100 mg/l
Effect dose concentration: NOEC
Exposure time: 21 day(s)
Species: Danio rerio
Method: ~ OECD 204

Aquatic toxicity, algae

Value: 1800 mg/l
Exposure time: 7 day(s)
Species: Scenedesmus quadricauda Freshwater algae
Comments: Applies to CAS 67-63-0.

Substance

2-butoxyethanol

Aquatic toxicity, algae	Toxicity type: Chronic Value: 286 mg/l Effect dose concentration: NOEC Exposure time: 72 hour(s) Species: Pseudokirchneriella subcapitata Method: OECD 201 Value: 1840 mg/l Effect dose concentration: EC50 Test duration: 72h Species: Pseudokirchneriella subcapitata Method: OECD 201
Aquatic toxicity, crustacean	Toxicity type: Acute Value: > 10000 mg/l Effect dose concentration: LC50 Exposure time: 24 hour(s) Species: Daphnia magna Method: ~ OECD 202 Comments: Applies to CAS 67-63-0. Fresh water. Toxicity type: Chronic Effect dose concentration: NOEC Exposure time: 16 day(s) Species: Daphnia magna Comments: Value: 2344 µmol/l Applies to CAS 67-63-0. Fresh water.
Substance	2-butoxyethanol
Aquatic toxicity, crustacean	Toxicity type: Acute Value: 1550 mg/l Effect dose concentration: EC50 Exposure time: 48 hour(s) Species: Daphnia magna Method: OECD 202 Toxicity type: Chronic Value: 100 mg/l Effect dose concentration: NOEC Exposure time: 21 day(s) Species: Daphnia magna Method: OECD 211
Substance	2-butoxyethanol
Toxicity to bacteria	Toxicity type: Acute Value: 700 mg/l Exposure time: 16 hour(s) Species: Pseudomonas putida Method: ≈ DIN 38412/8 Comments: Toxicity threshold Toxicity aquatic microorganisms
Ecotoxicity	The chemical is not classified as harmful to the environment. Toxicity aquatic microorganisms; Equivalent to DIN 38412/8, 1050 mg/l, 16h, Pseudomonas putida, fresh water. Toxicity aquatic microorganisms; EC50, ISO

8192, 41676 mg/l, activated sludge, fresh water. Applies to CAS 67-63-0.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The surfactant/surfactants contained in this preparation meet the criteria for biodegradation of Regulation (EC) no. 648/2004 on detergents.
Biodegradability	Value: 90,4 % Method: OECD 301 B Comments: Applies to CAS 111-76-2. Test period: 28 day(s) Value: 72 % Method: ISO 14593 Comments: Applies to CAS 68439-46-3. Test period: 28 day(s) Value: 53 % Method: EU Method C.5 Comments: Applies to CAS 67-63-0. (Oxygen consumption) Test period: 5 day(s)

12.3. Bioaccumulative potential

Bioconcentration factor (BCF)	Species: Pimephales promelas Comments: 12,7 - 237 l/kg. 72h. Applies to CAS 68439-46-3.
Bioaccumulation, evaluation	The chemical does not contain any substances that are considered bioaccumulative.
Bioaccumulation, comments	Log Kow: 0,81 v/25°C. Applies to CAS-nr.: 111-76-2. Log Kow: 3,3 - 3,73, KOWWIN. Applies to CAS-nr.: 68439-46-3. Log Kow: 0,05 v/25 °C. Applies to CAS 67-63-0.

12.4. Mobility in soil

Mobility	Soluble in water. Contains component(s) with the potential for mobility in soil. Log Koc: 0,451 - 0,882. Method: SRC PCKOCWIN v2.0. Chemical: CAS 111-76-2 Log Koc: 1,399 - 1,656. Method: SRC PCKOCWIN v2.0. Chemical: CAS 68439-46-3 Log Koc: 0,185 - 0,541. Method: SRC PCKOCWIN v2.0. Chemical: CAS 67-63-0
Known or predicted distribution to environmental compartments	Mackay Level I. Fraktion air: 0,31 %, fraktion biota: 0 %, fraktion sediment: 0,01 %, fraktion soil: 0,59 %, fraktion water: 99,09 %. (QSAR) Applies to CAS 111-76-2.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	The chemical contains no PBT or vPvB substances.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	None of the substances listed in section 3.2 is listed on ECHA's Endocrine disruptor assessment list.
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12.7. Other adverse effects

Ozone depletion potential	Comments: The chemical contains no substances classified as hazardous to the ozone layer.
Additional ecological information	The chemical contains no substances which are known to contribute to the greenhouse effect. Phototransformation air (DT50 air): Method: AOPWIN v1.90. Value: 5,459 h. Concentration OH-radicals: 1.5E6 /cm³. Applies to CAS 111-76-2. Phototransformation air (DT50 air): Method: AOPWIN v1.92. Value: 17.668 h. Concentration OH-radicals: 1.5E6 /cm³. Applies to CAS 67-63-0.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.
EWC waste code	EWC waste code: 200130 detergents other than those mentioned in 20 01 29 Classified as hazardous waste: No
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No
Other information	Empty packaging is delivered to an approved collector.

SECTION 14: Transport information

Dangerous goods	No
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14.1. UN number

Comments	Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations.
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14.2. UN proper shipping name

Comments	Not relevant.
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14.3. Transport hazard class(es)

Comments	Not relevant.
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14.4. Packing group

Comments	Not relevant.
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14.5. Environmental hazards

Comments	Not relevant.
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14.6. Special precautions for user

Special safety precautions for user	Not relevant.
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14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk (yes/no)	No
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ADR/RID Other information

Hazard No.	80
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SECTION 15: Regulatory information

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

Restriction of chemicals according to Annex XVII (REACH)	Contains substances in section 3 that are covered by entries 3 and 40 in REACH Annex XVII. The restriction is not relevant to this mixture and use.
References (laws/regulations)	Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments. Norwegian regulation on waste, 01.06.2004 no. 930, with later amendments. Swedish regulation on waste: SFS 2011:927. Avfallsförordning, med ändringar. Norwegian regulation on dangerous goods: FOR 2009-04-01 nr 384: Forskrift om landtransport av farlig gods med senere endringer, Direktoratet for samfunnssikkerhet og beredskap. Swedish regulation on dangerous goods: Lag (2006:263) om transport av farligt gods, med senere ändringar. FOR 2004-06-01 No. 922: Norwegian regulation regarding restrictions on the use of health-hazardous chemicals and other products (Produktforskriften), as amended; § § 2-12, 2-14 Detergents. Regulation (EC) No 648/2004 of 31 March 2004 on detergents with later amendments.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H336 May cause drowsiness or dizziness.
CLP classification, comments	Calculation method.
Key literature references and sources for data	Suppliers Safety data sheet dated: 30.04.2021.
Abbreviations and acronyms used	ADR: The European Agreement concerning the International Carriage of

	Dangerous Goods by Road ATE: Acute Toxicity Estimate BCF: Bio Concentration Factor DNEL: Derived No Effect Level EWC: European Waste Code (a code from the EU's common classification system for waste) EC50: The effective concentration of substance that causes 50% of the maximum response IATA: The International Air Transport Association IMDG: The International Maritime Dangerous Goods Code ICAO: The International Civil Aviation Organisation IMO: International Maritime Organization LC0: Lowest Lethal Concentration LC50: Median concentration lethal to 50% of a test population. LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%. NOEC: No observed effect concentration Log Kow: Partition coefficient: n-octanol / water OECD: Organisation for Economic Cooperation and Development. PNEC: Predicted No Effect Concentration PBT: Persistent, Bioaccumulative and Toxic RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail VOC: Volatile Organic Compounds vPvB: very Persistent and very Bioaccumulative
Information added, deleted or revised	Amendment, section: 12 & 13. Responsible: NOB.
Checking quality of information	This SDS is quality controlled by Kiwa Kompetanse AS in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2015.
Version	13
Prepared by	Kiwa Kompetanse v/ SR