SAFETY DATA SHEET

DIMAX MASKINDISK ALL IN 1 TAB

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	03.05.2012
Revision date	16.12.2022

1.1. Product identifier

Product name	DIMAX MASKINDISK ALL IN 1 TAB
Article no.	62527649

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

Function	Description: Machine dishwash tablets in water soluble foil.
Main intended use	PC-DET-3.2 Automatic dishwashing detergents - professional or industrial use
Secondary uses	PC-DET-3.1 Automatic dishwashing detergents - household use
Relevant identified uses	SU21 Consumer uses: Private households (= general public = consumers) 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
Professional use	Yes
Consumer use	Yes

1.3. Details of the supplier of the safety data sheet

Producer

Company name	Nordexia AB
Postal address	Box 20001
Postcode	161 02
City	Bromma
Country	Sweden

Telephone number	+46 8 31 62 31
Email	info@nordexia.com
Website	www.nordexia.com

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 (Ask for Poison Control Information) Description: Emergency
Identification, comments	In case of chemical accident: call national emergency Telephone number 112.

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; Calculation method Skin Irrit. 2; H315; Calculation method
CLP classification, comments	The full text for all hazard statements is displayed in section 16.

2.2. Label elements

Hazard pictograms (CLP)

Signal word	Warning
Hazard statements	H319 Causes serious eye irritation. H315 Causes skin irritation.
Precautionary statements	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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.
Supplemental label information	EUH 208 Contains subtilisin. May produce an allergic reaction.
Other EU labelling requirements	Content according to Regulation (EC) No 648/2004: oxygen-based bleaching agents 15-30%, non-ionic surfactants , polycarboxylates , enzymes , (subtilisin) < 5%.

2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.
Physicochemical effects	No particular fire or explosion hazard.
Health effect	Causes serious eye irritation. Causes skin irritation.
Environmental effects	Classification: The product presents no particular risk to the environment.
Other hazards	No evidence for endocrine disrupting properties

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Composition type: Mixture

Substance	Identification	Classification	Contents	Notes
Sodium carbonate	CAS No.: 497-19-8 EC No.: 207-838-8 REACH Reg. No.: 01-2119485498-19-0013	Eye Irrit. 2; H319	≥ 17 < 25 %	
Sodium carbonate peroxide	CAS No.: 15630-89-4 EC No.: 239-707-6 REACH Reg. No.: 01-2119457268-30-XXXX	Acute Tox. 4; H302 Eye Dam. 1; H318; SCL Eye Dam. 1;H318; C > 25%. Eye Irrit. 2; H319: 7,5 ≤ C < 25%. Ox. Sol. 2; H272	≥ 13 < 18 %	
Silicic acid, sodium salt (2, 6 < MR ≤ 3,2)	CAS No.: 1344-09-8 EC No.: 215-687-4 REACH Reg. No.: 01-2119448725-31-0011	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	≥ 5 < 10 %	
Citric acid, monohydrate	CAS No.: 5949-29-1 EC No.: 201-069-1 REACH Reg. No.: 01-2119457026-42	Eye Irrit. 2; H319 STOT SE 3; H335	≥ 2 < 4 %	
Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether	CAS No.: 166736-08-9 REACH Reg. No.: -(Polymer)	Eye Irrit. 2; H319	≥ 1 < 3 %	
Alcohols, C16-18, ethoxylated	CAS No.: 68439-49-6 REACH Reg. No.: -(polymer)	Eye Irrit. 2; H319	≥ 1 < 2 %	
Subtilisin	CAS No.: 9014-01-1 EC No.: 232-752-2 REACH Reg. No.: 01-2119480434-38	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Resp. Sens. 1; H334 STOT SE 3; H335 Aquatic Acute 1; H400; M-factor M = 1 Aquatic Chronic 2; H411 Note : S	> 0,1 < 0,2 %	

Description of the mixture: Water soluble PVA foil.

Remarks, substance: CAS# 1914-01-1 Substance with aOEL, Occupational Exposure Limit. See section 8..

Substance comments: 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: Always seek medical advice if any ill effects occur or there are persistent symptoms. Never give anything by mouth to an unconscious person. If possible, show this SDS or the label to the medical personal .

Inhalation	Fresh air.
Skin contact	Rinse with water. Wash skin with soap and water.
Eye contact	Rinse with plenty of water (20-30°C) for at least 15 minutes. Keep the eyes wide open. Remove contact lenses, if present and easy to do. Continue rinsing. To hospital or eye specialist.
Ingestion	Rinse mouth with water. Drink a few glasses of water or milk. Do NOT induce vomiting. Contact physician if larger quantity has been consumed.
Recommended personal protective equipment for first aid responders	No recommendation given.

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

General symptoms and effects	Treat symptomatically.
Acute symptoms and effects	The main known symptoms and effects are listed on the label (see section 2) and / or in section 11.
Delayed symptoms and effects	Same as with acute symptoms.

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

Medical treatment	If eye irritation persists: Get medical advice/attention.
Other information	No recommendation given.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog. This product is not flammable.
Improper extinguishing media	–

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	This product is not flammable.
Hazardous combustion products	Data lacking.

5.3. Advice for firefighters

Fire fighting procedures	No specific fire fighting procedure given.
Other information	No recommendation given.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with eyes and prolonged skin contact. Avoid inhalation of dust.
For emergency responders	Wear protective gloves and eye protection.

6.2. Environmental precautions

Environmental precautionary measures	Prevent large quantities entering drains, groundwater, surface waters or soil.

6.3. Methods and material for containment and cleaning up

Clean up	Collect and transfer to a container for disposal in accordance with local regulations. Small quantities can be washed away with plenty of water. Inform the local authorities in case of large spill or leakage.

6.4. Reference to other sections

Other instructions	Individual protection measures, such as personal protective equipment: see section 8. Waste treatment methods: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Put the tablet in the dosing compartment without removing the plastic wrap. Handle in accordance with good occupational hygiene and safety practices. Avoid repeated or long contact with unprotected skin. Always follow the directions for use of the product.

Protective safety measures

Protective safety measures	No recommendation given.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Always store in the original container and keep the container closed. Store dry in normal room temperature, not in direct sunlight or at elevated temperatures.

Conditions for safe storage

Storage stability	The original package gives a shelf life of at least 30 months.

7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Subtilisin	CAS No.: 9014-01-1	Limit value (8 h) : 1 glycinenhet/m3 **Limit value (short term)** Value: 3 glycinenhet/m3	TWA Year: 1996
Control parameters comments	EH40/2005, Workplace exposure limits 2005, with amendments.		

DNEL / PNEC

DNEL	Group: Professional Route of exposure: Lång sikt (upprepad) - Dermal - Systemisk effekt Value: 318 mg/kg/bw/day Group: Professional Route of exposure: Kortsiktig (akut) - Dermal - Lokal effekt Value: 12,8 mg/cm² Group: Consumer Route of exposure: Lång sikt (upprepad) - Oral - Systemisk effekt Value: 28 mg/l Group: Consumer Route of exposure: Lång sikt (upprepad) - Inandning - Systemisk effekt Value: 2,39 mg/m³ Group: Consumer Route of exposure: Lång sikt (upprepad) - Dermal - Systemisk effekt Value: 159 mg/kg/bw/day Group: Professional Route of exposure: Lång sikt (upprepad) - Inandning - Systemisk effekt Value: 11,12 mg/m³ Group: Consumer Route of exposure: Kortsiktig (akut) - Dermal - Lokal effekt Value: 6,4 mg/cm² Group: Professional Route of exposure: Lång sikt (upprepad) - Inandning - Lokal effekt Value: 5 mg/m³
PNEC	Route of exposure: Sewage treatment plant STP Value: 28 mg/l Route of exposure: Soil Value: 1,47 mg/kg torrvikt Route of exposure: Saltwater sediments Value: 29,4 mg/kg Route of exposure: Freshwater sediments Value: 29,4 mg/kg Route of exposure: Saltwater Value: 7,5 mg/l Route of exposure: Freshwater Value: 7,5 mg/l Route of exposure: Saltwater Value: 0,035 mg/l Route of exposure: Freshwater Value: 0,035 mg/l

Substance	Sodium carbonate
DNEL	**Group:** Industrial **Route of exposure:** Long-term inhalation (systemic) **Value:** 10 mg/m³ **Group:** Consumer **Route of exposure:** Acute inhalation (local) **Value:** 10 mg/m³
Substance	Sodium carbonate peroxide
DNEL	**Group:** Industrial **Route of exposure:** Acute dermal (local) **Value:** 12,8 mg/cm² **Group:** Industrial **Route of exposure:** Long-term inhalation (local) **Value:** 5 mg/m³ **Group:** Consumer **Route of exposure:** Acute dermal (systemic) **Value:** 6,4 mg/cm²
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
DNEL	**Group:** Industrial **Route of exposure:** Long-term inhalation (systemic) **Value:** 5,61 mg/m³ **Group:** Industrial **Route of exposure:** Long-term dermal (systemic) **Value:** 1,59 mg/kg **Group:** Consumer **Route of exposure:** Long-term oral (systemic) **Value:** 0,80 mg/kg **Group:** Consumer **Route of exposure:** Long-term inhalation (systemic) **Value:** 1,38 mg/m³ **Group:** Consumer **Route of exposure:** Long-term dermal (systemic) **Value:** 0,80 mg/kg
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:** 348 mg/l
Substance	Subtilisin

DNEL	**Group:** Industrial **Route of exposure:** Dermal - Lokal effekt **Value:** 0,2 %
PNEC	**Route of exposure:** Water **Value:** 0,06 µg/l **Route of exposure:** Saltwater **Value:** 0,06 µg/l **Route of exposure:** Sewage treatment plant STP **Value:** 65000 µg/l
DMEL	**Group:** Consumer **Route of exposure:** Long-term inhalation (local) **Value:** 15 ng/m³ **Group:** Professional **Route of exposure:** Long-term inhalation (local) **Value:** 15 ng/m³ **Group:** Professional **Route of exposure:** Long-term inhalation (local) **Value:** 60 ng/m³
Summary of risk management measures, human	No recommendation given.
Summary of risk management measures, environment	No recommendation given.

8.2. Exposure controls

Eye / face protection

Eye protection, comments	Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hand protection

Suitable gloves type	Neoprene, nitrile, polyethylene or PVC.
Hand protection, comments	For prolonged or repeated skin contact use suitable protective gloves.

Skin protection

Skin protection remark	No special precautions.

Respiratory protection

Respiratory protection, comments	Respiratory protection not required.

Thermal hazards

Thermal hazards	Not relevant.

Hygiene / environmental

Personal protection equipment, comments	No recommendation given.

Appropriate environmental exposure control

Environmental exposure controls	No recommendation given.

Appropriate environmental exposure control

Safety measures for consumer use of the chemical	No recommendation given.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Tablets.
Colour	White.
Odour	Characteristic.
pH	Status: In delivery state Comments: — Status: In aqueous solution Value: 10 -11
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Comments: Non-flammable.
Evaporation rate	Comments: Not determined.
Flammability	Not determined.
Explosion limit	Comments: Not explosive.
Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not determined.
Relative density	Comments: Not determined.
Bulk density	Comments: Not relevant.
Solubility	Medium: Water Comments: Soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not determined.
Auto-ignition temperature	Comments: Not determined.
Decomposition temperature	Comments: Not determined.
Viscosity	Comments: Not relevant.
Oxidising properties	Non-oxidizing.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	No information.

9.2.2. Other safety characteristics

Comments	Vikt: ~18g/tablet

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No recommendation given.

10.4. Conditions to avoid

Conditions to avoid	No recommendation given.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong alkalis. Strong oxidising substances. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.

Other information

Other information	No recommendation given.

SECTION 11: Toxicological information

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

Acute toxicity	Comments: Toxicological examination data are only available for constituent substances, not for the preparation.
Substance	Sodium carbonate
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** 2800 mg/kg **Animal test species:** Rat **Test reference:** OECD 423 **Effect tested:** LC50

	Route of exposure: Inhalation. **Value:** 2,3 mg/l **Animal test species:** Rat **Test reference:** OECD 423
Substance	Sodium carbonate peroxide
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** 1034 mg/kg **Animal test species:** Rat **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** > 2000 mg/kg **Animal test species:** Rabbit **Test reference:** OECD TG 402
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** 3400 mg/kg bw **Animal test species:** Rat **Effect tested:** LC50 **Route of exposure:** Inhalation. **Value:** > 2,06 g/m3 **Animal test species:** Rat **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** > 5000 mg/kg bw
Substance	Citric acid, monohydrate
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** 5400 mg/kg **Animal test species:** Mouse **Test reference:** OECD 401 **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** > 2000 mg/kg **Animal test species:** Rat
Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral **Value:** > 2000 -5000 mg/kg **Animal test species:** Rat **Test reference:** OECD 423
Substance	Subtilisin
Acute toxicity	**Effect tested:** LD50 **Route of exposure:** Oral

	Value: 1800 mg/kg **Animal test species:** Rat **Test reference:** OECD 401
Other toxicological data	Toxicological information on ingredients.

Other information regarding health hazards

Acute toxicity, mixture estimate	Dose: ATEmix calculated Route of exposure: Oral Value: > 2000 mg/kg
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
Skin corrosion / irritation test result	**Comments:** Irritating to skin.
Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Skin corrosion / irritation test result	**Test reference:** OECD 404 **Comments:** Not Irritating.
Assessment of skin corrosion / irritation, classification	Irritating to skin.
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
Eye damage or irritation, test results	**Comments:** Irritating.
Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Eye damage or irritation, test results	**Test reference:** OECD 405 **Comments:** Irritating.
Assessment of eye damage or irritation, classification	Dust in the eyes will cause irritation.
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
Respiratory or skin sensitisation	**Comments:** Dust may irritate respiratory system.
General respiratory or skin sensitisation	No recommendation given.
Inhalation	No specific health warnings noted.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Sensitisation	No known chronic or acute health risks.
Germ cell mutagenicity	Comments: No known chronic or acute health risks.
Mutagenicity	No known chronic or acute health risks.
Carcinogenicity, other information	No known chronic or acute health risks.
Reproductive toxicity	Comments: No known chronic or acute health risks.
Reproductive toxicity	No known chronic or acute health risks.
Specific target organ toxicity - single exposure, other information	No known chronic or acute health risks.

Specific target organ toxicity - repeated exposure, other information	No known chronic or acute health risks.
Aspiration hazard, comments	Not known.
Phototoxicity, other information	None.

Symptoms of exposure

In case of ingestion	However, ingestion may cause nausea, stomach pain and vomiting.
In case of skin contact	Skin irritation.
In case of inhalation	Dust may irritate throat and respiratory system and cause coughing.
In case of eye contact	Dust in the eyes will cause irritation.

11.2 Other information

Endocrine disruption	The product does not contain any substance with endocrine disrupting properties.
Other information	No information.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Sodium carbonate
Aquatic toxicity, fish	**Value:** 300 mg/l **Test duration:** 96 h **Species:** Lepomis macrochirus **Method:** LC50
Substance	Sodium carbonate peroxide
Aquatic toxicity, fish	**Value:** 70,7 mg/l **Effect dose concentration:** EC50 **Test duration:** 96 h. **Species:** Pimephales promelas
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
Aquatic toxicity, fish	**Value:** 1108 mg/l **Effect dose concentration:** EC50 **Test duration:** 96 h. **Species:** Brachydanio rerio
Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Aquatic toxicity, fish	**Value:** > 10 < 100 mg/l **Effect dose concentration:** LC50 **Test duration:** 96 hour(s) **Species:** Pesci **Test reference:** OECD 203
Substance	Alcohols, C16-18, ethoxylated
Aquatic toxicity, fish	**Toxicity type:** Acute

	Value: > 1 < 10 mg/l **Effect dose concentration:** LC50 **Test duration:** 96 hour(s) **Species:** Leuciscus idus
Substance	Subtilisin
Aquatic toxicity, fish	**Toxicity type:** Acute **Value:** 8,2 mg/l **Effect dose concentration:** LC50 **Test duration:** 96 h. **Test reference:** OECD TG 203
Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Aquatic toxicity, algae	**Value:** > 10 < 100 mg/l **Effect dose concentration:** EC50 **Test duration:** 72 h. **Test reference:** OECD 201
Substance	Alcohols, C16-18, ethoxylated
Aquatic toxicity, algae	**Toxicity type:** Acute **Value:** > 1 < 10 mg/l **Effect dose concentration:** EC50 **Test duration:** 72 hour(s)
Substance	Subtilisin
Aquatic toxicity, algae	**Toxicity type:** Acute **Value:** 0,83 mg/l **Effect dose concentration:** EC50 **Test duration:** 72 h. **Test reference:** OECD TG 201
Substance	Sodium carbonate
Aquatic toxicity, crustacean	**Value:** 265 mg/l **Test duration:** 48 h **Method:** EC50
Substance	Sodium carbonate peroxide
Aquatic toxicity, crustacean	**Value:** 4,9 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 h. **Species:** Daphnia pulex
Substance	Silicic acid, sodium salt (2,6 < MR ≤ 3,2)
Aquatic toxicity, crustacean	**Value:** 1700 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 h. **Species:** Daphnia magna
Substance	Citric acid, monohydrate
Aquatic toxicity, crustacean	**Value:** 1535 mg/l **Test duration:** 48 hour(s) **Species:** Daphnia magna **Method:** EC50

Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Aquatic toxicity, crustacean	**Value:** > 10 < 100 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 h. **Species:** Daphnia magna **Test reference:** OECD 202
Substance	Alcohols, C16-18, ethoxylated
Aquatic toxicity, crustacean	**Toxicity type:** Acute **Value:** > 1 < 10 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 hour(s) **Species:** Daphnia magna
Substance	Subtilisin
Aquatic toxicity, crustacean	**Toxicity type:** Acute **Value:** 0,586 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 h. **Species:** Daphnia magna **Test reference:** OECD TG 202
Ecotoxicity	Ecotoxicological information is not available for the product, only for the components Not classified as dangerous to the environment. The product is free from phosphates.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	All organic components are considered biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
Substance	Citric acid, monohydrate
Biodegradability	**Value:** 97 % **Test reference:** OCED 301B **Test period:** 28 day(s)
Substance	Oxirane, methyl-, polymer with oxirane, mono(2-propylheptyl) ether
Biodegradability	**Value:** > 60 % **Test reference:** (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) **Test period:** 28 day(s) **Parameter:** CO2 formation (% of the theoretical value)
Substance	Alcohols, C16-18, ethoxylated
Biodegradability	**Value:** > 60 % **Method:** (OECD 301B; ISO 9439; 92/69/EEG, C.4-C) **Test period:** 28 day(s) **Value:** ≥ 90 % **Method:** OECD 303A
Substance	Citric acid, monohydrate
Chemical oxygen demand (COD)	**Value:** 0,728 g

Substance	Citric acid, monohydrate
Biological oxygen demand (BOD)	**Value:** 0,526 g

12.3. Bioaccumulative potential

Substance	Citric acid, monohydrate
Bioconcentration factor (BCF)	**Value:** -1,8 - 0,2 **Comments:** log Pow
Bioaccumulation, comments	Bioaccumulation: Is not expected to be bioaccumulable.

12.4. Mobility in soil

Mobility	Not entered.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	No data recorded.

12.6. Endocrine disrupting properties

Endocrine disrupting properties	The product does not contain any substance with endocrine disrupting properties.

12.7. Other adverse effects

Additional ecological information	No recommendation given.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.
Appropriate methods of disposal for the contaminated packaging	Emptied and cleaned packaging can be recycled or burned in proper incinerator.
EWC waste code	EWC waste code: 200129 detergents containing dangerous substances Classified as hazardous waste: Yes
EWL packing	Classified as hazardous waste: No
National regulations	The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).
Other information	When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

Dangerous goods	No

14.1. UN number

Comments	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2. UN proper shipping name

Comments	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.3. Transport hazard class(es)

Comments	Not relevant.

14.4. Packing group

Comments	Not relevant.

14.5. Environmental hazards

Comments	The product is assessed and classified as "no environmental hazard".

14.6. Special precautions for user

Special safety precautions for user	No recommendation given.

14.7. Maritime transport in bulk according to IMO instruments

ADR/RID Other information

Tunnel restriction code	Inte relevant.
Limited quantity	Not relevant.

SECTION 15: Regulatory information

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

EEC-directive	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. 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.
Biocides	No
Nanomaterial	No
Legislation and regulations	Regulation (EC) No 648/2004 and Regulation (EC) No 907/2006 of the European Parliament and of the Council on detergents 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 EH40/2005, Workplace exposure limits 2005, with amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). DIRECTIVE 2008/68/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 September 2008 on the inland transport of dangerous goods, with changes.

15.2. Chemical safety assessment

Chemical safety assessment performed	No
CSR required	No
Exposure scenarios for mixture	No

SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
Key literature references and sources for data	Safety data sheet format (Regulation (EU) 2020/878)
Abbreviations and acronyms used	PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative
Revision justification	Other.
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Revision responsible	KCP
Last update date	16.12.2022
Version	3
Prepared by	Nordexia AB