

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

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

- **1.1 Product identifier**
- **Trade name:** N-124-E
- **Article number:** 74340002
- **UFI:** 1RHE-X75A-1W6R-S7VR
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages**
 - PW Widespread use by professional workers
 - IS Use at industrial Sites
- **Sector of Use**
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** Degreasing agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - ZEP ITALIA SRL
 - Piazzale Luigi Cadorna, 2
 - 20123 Milano (MI) - Italy;
 - Via Nettunense Km. 25.000
 - 04011 Aprilia (LT) - Italy
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- **Further information obtainable from:**
 - Customer Service
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 - B: Tel: +32 2 347 0117 Fax: +32 2 347 1395
 - IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61
 - UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011
- **1.4 Emergency telephone number:**
 - NHS +44 0845 46 47 (England or Wales); +44 08454 24 24 24 (Scotland)
 - emergency number (europe): 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 - Skin Corr. 1A H314 Causes severe skin burns and eye damage.
 - Eye Dam. 1 H318 Causes serious eye damage.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 1)

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

tetrasodium ethylenediaminetetraacetate
sodium hydroxide

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains Cineole, Terpeneol. May produce an allergic reaction.

2.3 Other hazards The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2 Reg.nr.: 01-2119486762-27-xxxx	tetrasodium ethylenediaminetetraacetate STOT RE 2, H373 Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H332	≥5-<10%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6 Reg.nr.: 01-2119457892-27-xxxx	sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Eye Dam. 1, H318 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0.5 % ≤ C < 2 % Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %	≥3-<5%
CAS: 111-76-2 EINECS: 203-905-0 Index number: 603-014-00-0 Reg.nr.: 01-2119475108-36-xxxx	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg	2.5-5%
CAS: 42612-52-2 EC number: 610-044-8	Poly(oxy-1,2-ethanediyl), .alpha.-dodecyl-.omega.-hydroxy-, phosphate, sodium salt Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2.5%
CAS: 6419-19-8 EINECS: 229-146-5 Reg.nr.: 01-2119487988-08-0002	nitrotrimethylenetris(phosphonic acid) Met. Corr.1, H290 Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2.5%
CAS: 470-82-6 EINECS: 207-431-5 Reg.nr.: 01-2119967772-24-xxxx	Cineole Flam. Liq. 3, H226 Skin Sens. 1B, H317	≥0.1-<1%
CAS: 8000-41-7 EINECS: 232-268-1 Reg.nr.: 01-2119553062-49-0009	Terpeneol Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1-<0.25%

Additional information:

Ingredients according to Detergents Regulation 648/2004/EC

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 2)

EDTA and salts thereof	≥5 - <15%
Amphoteric surfactants, Phosphonates, Nonionic surfactants	<5%
Perfumes (LIMONENE), Preservation agents (METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE, METHYLCHLOROISOTHIAZOLINONE AND METHYLISOTHIAZOLINONE)	

· **Additional Information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

Carbon dioxide

Dry sand

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· 5.3 Advice for firefighters

· **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders).

Use neutralising agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Use only in well ventilated areas.

· **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 3)

- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- Information about storage in one common storage facility: Do not store together with acids.
- Further information about storage conditions:
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

CAS: 111-76-2 2-butoxyethanol

IOELV Short-term value: 246 mg/m³, 50 ppm
Long-term value: 98 mg/m³, 20 ppm
Skin

· DNELs

CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate

Oral	DNEL Long term-systemic	28 mg/kg human/day (consumer)
Inhalative	DNEL Acute-systemic mg/m ³	1.7 mg/m ³ (consumer) 2.8 mg/m ³ (worker)

CAS: 1310-73-2 sodium hydroxide

Inhalative	DNEL Long term-systemic mg/m ³	1 mg/m ³ (-)
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CAS: 111-76-2 2-butoxyethanol

Oral	DNEL acute-systemic	13.4-26.7 mg/kg human/day (consumer)
	DNEL Long term-systemic	3.2-6.3 mg/kg human/day (consumer)
Dermal	DNEL Acute-systemic	44.5-89 mg/kg human/day (consumer) 89 mg/kg human/day (worker)
	DNEL Long term-systemic	38-75 mg/kg human/day (consumer) 75-125 mg/kg human/day (worker)
Inhalative	DNEL Long term-systemic mg/m ³	49-59 mg/m ³ (consumer) 98 mg/m ³ (worker)
	DNEL Long term local mg/m ³	147 mg/m ³ (consumer)
	DNEL Acute-systemic mg/m ³	426 mg/m ³ (consumer) 633-1,091 mg/m ³ (worker)
	DNEL Acute-local mg/m ³	123 mg/m ³ (consumer) 246 mg/m ³ (worker)

CAS: 6419-19-8 nitrilotrimethylenetris(phosphonic acid)

Oral	DNEL acute-systemic	1.38 mg/kg human/day (consumer)
	DNEL Long term-systemic	1.38 mg/kg human/day (consumer)
Dermal	DNEL Long term-local	1.38 mg/kg human/day (consumer)
	DNEL Acute-systemic	1.38 mg/kg human/day (consumer) 2.75 mg/kg human/day (worker)
Inhalative	DNEL Long term-systemic	2.75 mg/kg human/day (worker)
	DNEL Long term-systemic mg/m ³	2.39 mg/m ³ (consumer) 9.7 mg/m ³ (worker)
	DNEL Acute-systemic mg/m ³	2.39 mg/m ³ (consumer) 9.7 mg/m ³ (worker)

· PNECs

CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate

PNEC Freshwater mg/L	2.8 mg/L
PNEC Marinewater mg/L	0.28 mg/L
PNEC Intermittent release	1.6 (mg/L)

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 4)

PNEC Soil	0.95 mg/Kg
PNEC Sewage treatment Plant mg/L	57 mg/L
CAS: 111-76-2 2-butoxyethanol	
PNEC Freshwater mg/L	8.8 mg/L
PNEC Marinewater mg/L	0.88 mg/L
PNEC Freshwater sediment	8.14 mg/Kg
PNEC Marine water sediment	3.46 mg/Kg
PNEC Soil	2.8 mg/Kg
PNEC Sewage treatment Plant mg/L	463 mg/L
CAS: 6419-19-8 nitrilotrimethylenetris(phosphonic acid)	
PNEC Freshwater mg/L	0.46 mg/L (-)
PNEC Marinewater mg/L	0.046 mg/L (-)
PNEC Freshwater sediment	150 mg/Kg (-)
PNEC Marine water sediment	15 mg/Kg (-)
PNEC Soil	244 mg/Kg (-)
PNEC Sewage treatment Plant mg/L	20 mg/L (-)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

· **Hand protection**



Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Not suitable are gloves made of the following materials:** Strong material gloves

· **Eye/face protection**



Tightly sealed goggles

· **Body protection:** Alkaline resistant protective clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Whitish

· **Odour:**

Pleasant

(Contd. on page 6)

EU

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

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Trade name: N-124-E

(Contd. of page 5)

· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	100 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH at 20 °C	11.5
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density and/or relative density	
· Density at 20 °C:	1.132 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	571 °C
· Explosive properties:	Product does not present an explosion hazard. Not determined.
· Solvent content:	
· Organic solvents:	3.5 %
· Swiss VOC:	3.60 %
· Solids content:	10.4 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 6)

- **10.5 Incompatible materials:** Do not store together with acids.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	14,943 mg/kg
Inhalative	LC50 / 4 h	20.2 mg/l (Rat)

CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate

Oral	LD50	1,780 mg/kg
Inhalative	LC50 / 4 h	2 mg/l (Rat)

CAS: 1310-73-2 sodium hydroxide

Oral	LD50	3,500 mg/kg (Rat)
	LC50	35 mg/l (fish)
	EC50	40.4 mg/ltr (-)

CAS: 111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
		470 mg/kg (Rat)
		300 mg/kg (Rabbit)
Dermal	LD50	2,000 mg/kg (rab)
		mg/kg (Rat)
Inhalative	LC50 / 4 h	2.21 mg/l (Rat)
	LC50 / 48 h	mg/ltr (Daphnia magna (water flea))

CAS: 6419-19-8 nitrilotrimethylenetris(phosphonic acid)

Oral	LD50	2,910 mg/kg (Rat)
Dermal	LD50	>6,310 mg/kg (Rabbit)
	LC50	160 mg/l (fish) (14 day)
	LC50 / 48 h	297 mg/ltr (Daphnia magna (water flea))

CAS: 470-82-6 Cineole

Oral	LD50	4,300 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
	EC 50 / 96 h	57 mg/ltr (fish)

CAS: 8000-41-7 Terpeneol

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rabbit)

- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or 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** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

EU

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 7)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 64-02-8 tetrasodium ethylenediaminetetraacetate

LC50 / 96 h	>1,000 mg/ltr (<i>Lepomis Macrochirus</i> (Bluegill Sunfish)) 33-189 mg/ltr (fish)
EC 50 / 48 h	140 mg/ltr (<i>Daphnia magna</i> (water flea))
EC 50 / 72 H	>300 (<i>Desmodesmus subspicatus</i>) (mg/L)

CAS: 1310-73-2 sodium hydroxide

LC50 / 96 h	125 mg/ltr (<i>Gambusia affinis</i>)
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CAS: 111-76-2 2-butoxyethanol

LC50 / 96 h	1,490 mg/ltr (<i>Lepomis Macrochirus</i> (Bluegill Sunfish))
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CAS: 6419-19-8 nitrilotrimethylenetris(phosphonic acid)

EC 50 / 48 h	>1,000 mg/ltr (<i>Daphnia magna</i> (water flea))
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CAS: 470-82-6 Cineole

EC 50 / 48 h	>100 mg/ltr (<i>Daphnia magna</i> (water flea))
EC 50 / 72 H	>74 /mg/L (<i>Selenastrum capricornutum</i> (Algae))

CAS: 8000-41-7 Terpineol

OECD test 301 D	>90 (biodegradation in % after 28 days)
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12.2 Persistence and degradability No further relevant information available.

Other information: The product is biodegradable.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Disposal must be made according to official regulations

European waste catalogue

HP4	Irritant - skin irritation and eye damage
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Uncleaned packaging:

Recommendation: Disposal in accordance with administrative provisions

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA UN3266

14.2 UN proper shipping name

ADR 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)

IMDG, IATA

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 8)

· 14.3 Transport hazard class(es)

· ADR



· Class

8 (C5) Corrosive substances.

· Label

8

· IMDG, IATA



· Class

8 Corrosive substances.

· Label

8

· 14.4 Packing group

· ADR, IMDG, IATA

III

· 14.5 Environmental hazards:

· Marine pollutant:

No

· 14.6 Special precautions for user

· Hazard identification number (Kemler code):

Warning: Corrosive substances.

80

· EMS Number:

F-A,S-B

· Segregation groups

Alkalis

· Stowage Category

A

· Stowage Code

SW2 Clear of living quarters.

· Segregation Code

SG35 Stow "separated from" SGG1-acids

· 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

· Transport/Additional information:

· ADR

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· Transport category

3

· Tunnel restriction code

E

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE), 8, III

SECTION 15: Regulatory information

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

Reg. (EC) n. 1272/2008 - CLP;

Reg. (EC) n. 2020/878 annex II of REACH;

Dir. 06/08 ADR – RID - IMDG - IATA;

Dir. 12/18 (Seveso III);

Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

Reg (EC) n. 648/2004 - Detergents

· Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 9)

· Hazard pictograms



GHS05

· Signal word Danger

· Hazard-determining components of labelling:

tetrasodium ethylenediaminetetraacetate
sodium hydroxide

· Hazard statements

H314 Causes severe skin burns and eye damage.

· Precautionary statements

P260 Do not breathe mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS** (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· National regulations:

· Technical instructions (air):

Class	Share in %
III	0.1
NK	3.6

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H226 Flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.02.2022

Version: 6 (replaces version 5)

Revision: 16.02.2022

Trade name: N-124-E

(Contd. of page 10)

*H373 May cause damage to organs through prolonged or repeated exposure.**H411 Toxic to aquatic life with long lasting effects.*· **Classification according to Regulation (EC) No 1272/2008** Calculation method· **Department issuing SDS:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **Contact:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **Date of previous version:** 16.02.2022· **Version number of previous version:** 5· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

WELL: The highest acceptable concentration

IOELV: Indicative occupational exposure limit values

Flam. Liq. 3: Flammable liquids – Category 3

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**

EU

(Contd. on page 12)

Safety data sheet

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(Contd. of page 11)

Annex: Exposure scenario

- **Short title of the exposure scenario** For the finished product.
- **Sector of Use**
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Description of the activities / processes covered in the Exposure Scenario** See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Used amount per time or activity** According to directions for use.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting worker exposure**
 - Avoid contact with eyes.
 - Avoid contact with the skin.
 - Avoid long-term or repeated skin contact.
- **Other operational conditions affecting consumer exposure**
 - No special measures required.
 - Keep out of the reach of children.
- **Other operational conditions affecting consumer exposure during the use of the product** Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures**
 - Ensure that suitable extractors are available on processing machines
 - Use product only in enclosed systems.
- **Personal protective measures**
 - Do not inhale gases / fumes / aerosols.
 - Avoid contact with the skin.
 - Avoid contact with the eyes.
 - Tightly sealed goggles
 - protective gloves
- **Measures for consumer protection**
 - Ensure adequate labelling.
 - Keep locked up and out of the reach of children.
- **Environmental protection measures**
- **Water**
 - No special measures required.
 - Generally, prior to the introduction of wastewater into wastewater treatment plants a neutralisation is required.
- **Disposal measures**
 - Disposal in accordance with administrative provisions
 - Ensure that waste is collected and contained.
- **Disposal procedures** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.