

\* Spezial SN-P

Date revised: 21.04.2023

# 8750085221

Version: 9 / GB

Master No. MA-215

Print date: 17.04.2024

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

### **1.1. Product identifier**

**Trade name**

Spezial SN-P

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

**Use of the substance/mixture**

Cleaning material/ Detergent

### **1.3. Details of the supplier of the safety data sheet**

**Address/Manufacturer**

BÜFA Cleaning GmbH &amp; Co. KG

August-Hanken-Str. 30

26125 Oldenburg

Telephone no. +49 441 9317 0

Fax no. +49 441 9317 100

Information provided Department product safety / +49 441 9317 108

by / telephone

E-Mail sds-cleaning@buefa.de

### **1.4. Emergency telephone number**

Poison Information Center Goettingen: +49 551 19240

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

**Classification (Regulation (EC) No. 1272/2008)**

Acute Tox. 4 H332

Skin Corr. 1B H314

Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

**Labelling according to regulation (EC) No 1272/2008****Signal word**

Danger

**Hazard statements**

H332 Harmful if inhaled.

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280.2 Wear protective gloves/ eye/ face protection.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P310 Immediately call a POISON CENTER or doctor.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains \*\*\* phosphoric acid; Alcohols, ethoxylated; Amines, C12-C14-Alkyldimethyl-N-oxides; Nitric acid

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### 2.3. Other hazards

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The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## SECTION 3: Composition/information on ingredients \*\*\*

### 3.2. Mixtures

#### Hazardous ingredients \*\*\*

##### phosphoric acid

CAS No.	7664-38-2
EINECS no.	231-633-2
Registration no.	01-2119485924-24-XXXX
Concentration	>= 10 < 25 %
Acute Tox. 4	H302
Met. Corr. 1	H290
Skin Corr. 1B	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2	H319	>= 10 < 25 %
Skin Corr. 1B	H314	>= 25 %
Skin Irrit. 2	H315	>= 10 < 25 %
cATpE oral	500	mg/kg

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

##### Nitric acid

CAS No.	7697-37-2
EINECS no.	231-714-2
Concentration	>= 13 < 14 %
Ox. Liq. 3	H272
Met. Corr. 1	H290
Acute Tox. 3	H331
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Corr. 1A	H314	>= 20 %
Skin Corr. 1B	H314	>= 5 < 20 %
Ox. Liq. 3	H272	>= 65 %
ATE oral	430	mg/kg
cATpE inhalative, Dust/Mist	0,5	mg/l
ATE inhalative, Vapors	2,65	mg/l

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

##### Alcohols, ethoxylated

CAS No.	78330-20-8
Registration no.	02-2119549526-31-XXXX
Concentration	>= 3 < 10 %
Acute Tox. 4	H302
Eye Dam. 1	H318

cATpE oral	500	mg/kg
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##### Amines, C12-C14-Alkyldimethyl-N-oxides

CAS No.	308062-28-4
EINECS no.	931-292-6

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Registration no.	01-2119490061-47-XXXX				
Concentration	>=	1	<	1,9	%
Eye Dam. 1	H318				
Aquatic Acute 1	H400				
Aquatic Chronic 2	H411				
Acute Tox. 4	H302				
Skin Irrit. 2	H315				
ATE	oral		1.064	mg/kg	

For explanation of abbreviations see section 16.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

Ensure supply of fresh air. Summon a doctor immediately.

#### **After skin contact**

Wash off immediately with soap and water.

#### **After eye contact**

In case of contact with the eyes rinse thoroughly with plenty of water or with an eye-cleaning solution. Seek medical advice immediately.

#### **After ingestion**

Do not induce vomiting. Call in a physician immediately and show him the Safety Data Sheet.

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

There is no further relevant information available

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

Treat symptomatically  
Risk of pulmonary oedema

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguishing measures to suit surroundings

#### **Non suitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: Nitrogen oxides (NO<sub>x</sub>)

### **5.3. Advice for firefighters**

Use self-contained breathing apparatus.  
Cool endangered containers with water spray jet.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Keep people away and stay on the upwind side. Use breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

### **6.2. Environmental precautions**

Do not allow to enter drains or waterways.

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### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Containers in danger should be cooled with water.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep only in original packaging. Provide acid-resistant floor. Store product in closed containers. Do not store together with: Alkalis  
Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

No information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

#### phosphoric acid ... %

List	EH40		
Type	WEL		
Value	1	mg/m <sup>3</sup>	
Short term exposure limit	2	mg/m <sup>3</sup>	

#### phosphoric acid ... %

List	IOELV		
Type	IOELV		
Value	1	mg/m <sup>3</sup>	
Short term exposure limit	2	mg/m <sup>3</sup>	

#### Nitric acid

List	EH40			
Type	WEL			
Short term exposure limit	2.6	mg/m <sup>3</sup>	1	ppm(V)
Maximum limit value; Skin resorption / sensibilisation: Pregnancy group: Status: 10/2007				

#### Nitric acid

List	EH40			
Type	WEL			
Short term exposure limit	2.6	mg/m <sup>3</sup>	1	ppm(V)

#### Nitric acid

List	IOELV			
Type	IOELV			
Short term exposure limit	2,6	mg/m <sup>3</sup>	1	ppm(V)

### 8.2. Exposure controls

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Personal protective equipment must comply with the Regulation (EC) No 2016/425 and the resulting CEN standards. The following information on personal protective equipment (PPE) is to be understood as a suggestion. The selection of the necessary PPE must be considered by the employer depending on the activities to be carried out and the local conditions. If it is determined during the on-site risk assessment that there is no danger to the employee, there is no need to wear PPE or the scope of the PPE to be used can be adjusted accordingly.

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**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, special gas filter, NO-P3

**Hand protection**

Chemical resistant gloves

Appropriate Material butyl

Material thickness > 0,7 mm

Breakthrough time > 480 min

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leaktightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Acid-resistant protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	liquid
<b>Colour</b>	colourless
<b>Odour</b>	pungent
<b>Melting point</b>	
Remarks	not determined
<b>Boiling point</b>	
Remarks	not determined
<b>Flammability</b>	
evaluation	not determined
<b>Explosion limits</b>	
Remarks	not determined
<b>Flash point</b>	
Value	> 100 °C
<b>Ignition temperature</b>	
Remarks	not determined
<b>Thermal decomposition</b>	
Remarks	Not relevant
<b>pH value</b>	
Value	1,0 to 2,0
Concentration/H <sub>2</sub> O	1 %
<b>Viscosity</b>	
Value	appr. 15 s
Method	DIN 53211 4 mm
<b>Solubility in other solvents</b>	not determined
<b>Octanol/water partition coefficient (log Pow)</b>	
Remarks	Not relevant
<b>Vapour pressure</b>	
Remarks	not determined

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**Density**

Value appr. 1,16 kg/l

**Vapour density**

Remarks not determined

**Particle characteristics**

Remarks irrelevant (liquid)

**9.2. Other information****Odour threshold**

Remarks No data available

**Solubility in water**

Remarks miscible

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactions with alkalis.

**10.2. Chemical stability**

The product is stable.

**10.3. Possibility of hazardous reactions**

Reactions with alkalis. Corrosive to metals.

**10.4. Conditions to avoid**

Protect from heat and direct sunlight.

**Thermal decomposition**

Remarks Not relevant

**10.5. Incompatible materials**

Reactions with alkalis. Reactions with metals, with evolution of hydrogen.

**10.6. Hazardous decomposition products**

Nitrous gases

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

ATE 1.342 mg/kg  
 Method calculated value (Regulation (EC) No. 1272/2008)  
 Based on available data, the classification criteria are not met.

**Acute oral toxicity (Components)****Amines, C12-C14-Alkyldimethyl-N-oxides**

Reference substance Amines, C12-C14-Alkyldimethyl-N-oxides  
 Species rat  
 LD50 1064 mg/kg

**Nitric acid**

Reference substance nitric acid ...% [C > 70 %]  
 Species Human  
 LCLo 430 mg/kg

**Acute dermal toxicity**

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

**Acute inhalational toxicity**

ATE 20,19 mg/l

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Administration/Form	Vapors
Method	calculated value (Regulation (EC) No. 1272/2008)
ATE	3,81 mg/l

Administration/Form	Dust/Mist
Method	calculated value (Regulation (EC) No. 1272/2008)
The classification criteria are met.	

**Acute inhalative toxicity (Components)****Nitric acid**

ATE	2,65 mg/l
Administration/Form	Vapors

**Skin corrosion/irritation**

evaluation	corrosive
The classification criteria are met.	

**Serious eye damage/irritation**

evaluation	corrosive
The classification criteria are met.	

**Sensitization**

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

**Sensitization (Components)**

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

**Mutagenicity**

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

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

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

**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 with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity****Amines, C12-C14-Alkyldimethyl-N-oxides**

Reference substance	Amines, C12-C14-Alkyldimethyl-N-oxides
LC50	2,67 mg/l

**Nitric acid**

Reference substance	nitric acid ...% [C > 70 %]
Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )
LC50	12,5 mg/l
Duration of exposure	96 h

The product causes changes in the pH value in the test system. The result relates to the unneutralized

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sample.

**Daphnia toxicity****Amines, C12-C14-Alkyldimethyl-N-oxides**

Reference substance	Amines, C12-C14-Alkyldimethyl-N-oxides	
Species	Daphnia pulex	
EC50	3,1	mg/l

**Nitric acid**

Reference substance	nitric acid ...% [C > 70 %]	
Species	Daphnia magna	
EC50	4,6	mg/l
Duration of exposure	48	h

**Algae toxicity****Amines, C12-C14-Alkyldimethyl-N-oxides**

Reference substance	Amines, C12-C14-Alkyldimethyl-N-oxides	
IC50	0,143	mg/l

**Bacteria toxicity**

For this subsection there is no ecotoxicological data available on the product as such.

**12.2. Persistence and degradability**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.Do not discharge product unmonitored into the environment.

**Biodegradability****Amines, C12-C14-Alkyldimethyl-N-oxides**

Reference substance	Amines, C12-C14-Alkyldimethyl-N-oxides	
evaluation	biodegradable	

**12.3. Bioaccumulative potential**

For this subsection there is no ecotoxicological data available on the product as such.

**Octanol/water partition coefficient (log Pow)**

Remarks Not relevant

**12.4. Mobility in soil**

For this subsection there is no ecotoxicological data available on the product as such.

**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

The product contains no PBT substances. The product contains no vPvB substances.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects**

For this subsection there is no ecotoxicological data available on the product as such.

**Behaviour in sewers [waste treatment plants]**

The product is an acid. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be



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carried out in agreement with the regional waste disposal company.

### Disposal recommendations for packaging

Completely emptied packagings can be given for recycling.

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee
14.1. UN number	2031	2031
14.2. UN proper shipping name	NITRIC ACID	NITRIC ACID
14.3. Transport hazard class(es)	8	8
14.4. Packing group	II	II
Label		
14.5. Environmental hazards	-	-
Limited Quantity	1 I	1 I
Transport category	2	
Tunnel restriction code	E	
Hazard id. no.	80	
EmS		F-A, S-B

### Information for all modes of transport

#### 14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Other information

#### 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information \*\*\*

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

#### Ingredients (Regulation (EC) No 648/2004)

##### 5 % or over but less than 15 %:

non-ionic surfactants

#### VOC

VOC (EU) 0 %

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**Other information \*\*\***

Acquisition, introduction, possession or use of this product by the general public is restricted by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

Acute Tox. 4	H332	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method

**Hazard statements listed in Chapter 2/3**

H272	May intensify fire; oxidizer.
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.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**CLP categories listed in Chapter 2/3**

Acute Tox. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Met. Corr. 1	Substance or mixture corrosive to metals, Category 1
Ox. Liq. 3	Oxidising liquid, Category 3
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

GGVSee: Gefahrgutverordnung See

IMDG: International Maritime Code for Dangerous Goods

CAS: Chemical Abstracts Service

EAK: Europäischer Abfallkatalog

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Compound

GefStoffV: Gefahrstoffverordnung

TA Luft: Technische Anleitung zur Reinhaltung der Luft

INCI: International Nomenclature of Cosmetic Ingredients

n.a.g.: nicht anders genannt

MAK: Maximale Arbeitsplatz-Konzentration

AGW: Arbeitsplatzgrenzwert

BGW: Biologischer Grenzwert

TRGS: Technische Regeln für Gefahrstoffe

OEL: Occupational exposure limit

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SUVA: Schweizerische Unfallversicherungsanstalt

WEL: Workplace exposure limit

MAC: Maximale aanvaarde concentratie (Netherlands)

MEL: Maximum exposure limits

NOEL: No observable effect level

NOEC: No observable effect concentration

LD: Lethal dose

LC: Lethal concentration

LLC: Lowest lethal concentration

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very persistent and very bioaccumulative

SVHC: Substances of very high concern

DNEL: Derived no effect level

DMEL: Derived minimal effect level

PNEC: Predicted no effect concentration

PEC: Predicted environmental concentration

GHS: Globally Harmonized System of classification and Labelling of Chemicals

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

UN: United Nations

EG: Europäische Gemeinschaft

EWG: Europäische Wirtschaftsgemeinschaft

EU: European Union

HSNO: Hazardous Substances and New Organisms Act (New Zealand)

ATE: Acute Toxicity Estimate

STOT: Specific Target Organ Toxicity

IOELV: Indicative Occupational Exposure Limit Values

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.