

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.07.2025

Version: 2 (replaces version 1)

Revision: 10.07.2025

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

· **1.1 Product identifier**

· **Trade name:** **SUPER ONTKALKER SPRAY / SPRAY SUPER DÉTARTRANT**

· **Article number:** 77740002

· **UFI:** 268M-M0QS-J009-YQ1C

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

· **Sector of Use**

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· **Product category** PC35 Washing and cleaning products (including solvent based products)

· **Process category** PROC11 Non industrial spraying

· **Environmental release category** ERC11a Widespread use of articles with low release (indoor)

· **Technical function** Cleaning agent

· **Application of the substance / the mixture**

Cleaning agent

Descaler

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Manufacturer:

ZEP UK Ltd
Tanhause Lane
Widnes Cheshire, WA8 0RD
United Kingdom
Tel: +44 (0)151 422 1000
Fax: +44 (0)151 422 1011
@: info@zep.co.uk
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Distributed in EU by:

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@: info@zepbenelux.com

ZEP ITALIA SRL
Piazzale Luigi Cadorna, 2 - Milano - (MI)
20123 Milano (MI) - Italy;
Via Nettunense Km. 25.000
04011 Aprilia (LT) - Italy
T: +39.06.926691
F: +39.06.92747061
@: tecnico@zepeurope.com
Sito: www.zep.it

· **Further information obtainable from:**

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

· **1.4 Emergency telephone number:**

NHS +44 0845 46 47 (England or Wales); +44 08454 24 24 24 (Scotland)

emergency number (europe): 112

NPIC: +353 (0) 1 809 2166 (public) (NI or Ireland); +353 (0) 1 809 2566 (Healthcare professional) (NI or Ireland)

* **SECTION 2: Hazards identification**

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

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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.

· **Hazard pictograms**



GHS05

· **Signal word Danger**

· **Hazard-determining components of labelling:**

phosphoric acid

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts

Alcohols, C9-11, ethoxylated

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

· **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P260 Do not breathe spray.

P264 Wash thoroughly after handling.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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/doctor.

· **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: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24-xxxx	phosphoric acid Met. Corr. I, H290; Skin Corr. 1B, H314 Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	≥5-<10%
CAS: 68439-57-6 EC number: 931-534-0	Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts Eye Dam. 1, H318 Skin Irrit. 2, H315	≥3-<5%
CAS: 7601-54-9 EINECS: 231-509-8 Reg.nr.: 172	trisodium phosphate Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-5%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	2.5-5%
CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-xxxx	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	≥1-<2.5%
CAS: 68439-46-3 EC number: 931-514-1 Reg.nr.: Polymer	Alcohols, C9-11, ethoxylated Eye Dam. 1, H318 Acute Tox. 4, H302 ATE: LD50 oral: 500 mg/kg	1%

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· Ingredients according to detergents regulation 648/2004:

For the wording of the listed hazard phrases refer to section 16.

Ingredients according to Detergents Regulation 648/2004/EC

Phosphates, Nonionic surfactants	<5%
Perfumes (LINALYL ACETATE, LIMONENE)	

SECTION 4: First aid measures

· 4.1 Description of first aid measures

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

· After inhalation: In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

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: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.

· 5.3 Advice for firefighters

· Protective equipment: Mount respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· 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 section 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

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Use only in well ventilated areas.

· Information about fire - and explosion protection: Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Mechanical ventilation is not required for storage

Store in a cool, dry place away from direct sunlight.

Store in a cool location.

· Information about storage in one common storage facility: Do not store together with alkalis (caustic solutions).

· Further information about storage conditions: Keep receptacle tightly sealed.

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- 7.3 Specific end use(s) No further relevant information available.

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*** SECTION 8: Exposure controls/personal protection**

· 8.1 Control parameters

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

CAS: 7664-38-2 phosphoric acid

IOELV	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³
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CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

IOELV	Long-term value: 308 mg/m ³ , 50 ppm Skin
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· DNELs

CAS: 7664-38-2 phosphoric acid

Inhalative	DNEL Long term-systemic mg/m ³ DNEL Long term local mg/m ³ DNEL Acute-local mg/m ³	10.7 mg/m ³ (worker) 0.73 mg/m ³ (consumer) 1 mg/m ³ (worker) 2 mg/m ³ (worker)
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CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	DNEL Long term-systemic	1.67 mg/kg human/day (consumer)
Dermal	DNEL Long term-systemic	15 mg/kg human/day (consumer) 65 mg/kg human/day (worker)
Inhalative	DNEL Long term-systemic mg/m ³	37.2 mg/m ³ (consumer) 310 mg/m ³ (worker)

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Dermal	DNEL Long term-local	2,750 mg/kg human/day (WRK)
Inhalative	DNEL Long term-systemic mg/m ³	175 mg/m ³ (WRK)

· PNECs

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

PNEC Freshwater mg/L	19 mg/L
PNEC Marinewater mg/L	1.9 mg/L
PNEC Freshwater sediment	70.2 mg/Kg
PNEC Marine water sediment	7.02 mg/Kg
PNEC Intermittent release	190
PNEC Soil	2.74 mg/Kg
PNEC Sewage treatment Plant mg/L	4,168 mg/L

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

PNEC Freshwater mg/L	0.24 mg/L
PNEC Marinewater mg/L	0.024 mg/L
PNEC Freshwater sediment	5.4 mg/Kg
PNEC Marine water sediment	0.54 mg/Kg
PNEC Sewage treatment Plant mg/L	1,000 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 section 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.

Do not inhale gases / fumes / aerosols.

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.

· Hand protection

Protective gloves

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Rubber 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.***Rubber gloves****· 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:** Acid resistant protective clothing

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties**· General Information****· Physical state**

Liquid

· Colour:

Green

· Odour:

Characteristic

· Odour threshold:

Not determined.

· Melting point/freezing point:*Not available. Reason for lack of data: Not relevant for product characterisation*

>103 °C

· Boiling point or initial boiling point and boiling range**· Flammability****· Lower and upper explosion limit****· Lower:**

Not determined.

· Upper:

Not determined.

· Flash point:

Not applicable.

· Decomposition temperature:**· pH at 20 °C**

Not determined.

· Viscosity:**· Kinematic viscosity at 20 °C**

10 s (DIN 53211/4)

· Dynamic:*Not available. Reason for lack of data: Not relevant for product characterisation*

2.2

· Solubility**· water:**

Fully miscible.

· Partition coefficient n-octanol/water (log value)

Not applicable. Reason for lack of data: The product is a mixture.

· Vapour pressure at 20 °C:

23 hPa

· Density and/or relative density1.075 g/cm³**· Density at 20 °C:**

Not available Reason for lack of data: Not relevant for product characterisation

· Relative density

Not determined.

· Vapour density**· 9.2 Other information***No further relevant information available.***· Appearance:**

Liquid

· Form:**· Important information on protection of health and environment, and on safety.***Product is not selfigniting.**Product does not present an explosion hazard.***· Ignition temperature:****· Explosive properties:****· Solvent content:****· Organic solvents:**

3.1 %

· Swiss VOC:

3.01 %

· Change in condition

Not determined.

· Evaporation rate**· Information with regard to physical hazard classes****· Explosives**

Void

· Flammable gases

Void

· Aerosols

Void

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· 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** Reacts with alkali (lyes).
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Do not store together with alkalis (caustic solutions).
- **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	4,820 mg/kg
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CAS: 7664-38-2 phosphoric acid

Oral	LD50	300 mg/kg (Rat)
Dermal	LD50	2,740 mg/kg (rabbit)
Inhalative	LC50/ 8 h	>214 mg/m ³ (Rat)
	LC50/ 24 h	245 mg/ltr (Brachydanio rerio)

CAS: 7601-54-9 trisodium phosphate

Oral	LD50	7,400 mg/kg (Rat)
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CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	>4,000 mg/kg (Rat)
Dermal	LD50	9,510 mg/kg (rabbit)
	LC50/ 48 h	1.919 mg/ltr (Daphnia magna (water flea))

CAS: 68891-38-3 Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Oral	LD50	4,100 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)

CAS: 68439-46-3 Alcohols, C9-11, ethoxylated

Oral	LD50	500 mg/kg (ATE)
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· **Primary irritant effect:**

· **Skin corrosion/irritation**

Causes skin irritation.

· **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.

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- **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**

CAS: 1506-02-1	1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one (Fixolid)	List II
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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	Void
· 14.2 UN proper shipping name	
· ADR, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

*** 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)

National regulations - UK:

Regulation (EC) No 1272/2008 (CLP) amended by GB CLP (UK SI 2019/720 as amended).

REACH Regulation (EC) No 1907/2006, amended by UK REACH (UK SI 2019/758 as amended).

Health and Safety at Work Act

The Control of Substances Hazardous to Health (COSHH) Regulations

UK Waste (Circular Economy) (Amendment) Regulations 2020

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.

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labelling:**

phosphoric acid

Sulfonic acids, C14-16 (even numbered)-alkane hydroxy and C14-16 (even numbered)-alkene, sodium salts

Alcohols, C9-11, ethoxylated

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

- **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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P260 Do not breathe spray.
 P264 Wash thoroughly after handling.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 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/doctor.

- 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 %
NK	3.0

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly 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

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful 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: 13.12.2023

- Version number of previous version: 1

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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

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

Acute Tox. 4: Acute toxicity – Category 4

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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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*** Annex: Exposure scenario**

- **Short title of the exposure scenario** Finished product
- **Sector of Use**
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 - SU21 Consumer uses: Private households / general public / consumers
- **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.
- **Worker** Occasional application with short-time exposure.
- **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.
 - . tons per day
- **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.
- **Other operational conditions affecting consumer exposure** 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
- **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.

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