

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

FINO BLUE ACTION Cleaner

REF 69002 / 69002P

**Further trade names**

METHYLISOTHIAZOLINONE  
COCAMIDE MEA  
SODIUM C14-17 ALKYL SEC SULFONATE  
TRIDECETH-10

Product group: Alkohole

UFI: N435-K6PA-G00N-UD2S

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

Cleaning of dentures, crowns, bridges and partial denture frames.

**Uses advised against**

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture.

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

Company name:	FINO GmbH	
Street:	Mangelsfeld 18	
Place:	D-97708 Bad Bocklet	
Telephone:	+49-97 08-90 94 20	Telefax: +49-97 08-90 94 21
e-mail:	info@fino.com	Internet: www.fino.com
Contact person:	Joachim Mahlmeister	Telephone: +49-97 08-90 94 20
e-mail:	info@fino.com	
Responsible Department:	This number can only be reached during our office hours, Monday to Friday from 8 a.m. to 5 p.m.	

**1.4. Emergency telephone number:**

+49-89-1 92 40  
POISON CENTER München  
24 hour(s) 7 day(s)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Skin Irrit. 2; H315  
Eye Dam. 1; H318  
Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation****Hazard components for labelling**

Sulphone acids, C13-C17 -sec- alkane , sodium salts

Signal word: Danger

**Pictograms:**

**Hazard statements**

H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.

**Precautionary statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. thoroughly after handling.
P310	Immediately call Call a POISON CENTER..
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.

**Special labelling of certain mixtures**

EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction. Restricted to professional users.
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**Additional advice on labelling**

The product is classified and labelled according to EC directives or corresponding national laws.  
Classification according to Regulation (EC) No 1272/2008 [CLP]

**2.3. Other hazards**

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.  
This substance/mixture does not contain any components in concentrations of 0,1 %, or higher than either persistent, bioaccumulative and toxic (PBT) or very persistent and are classified as highly bioaccumulative (vPvB).

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Volatile organic compounds, Watery solution, Low molecular weight content of polymers (Dalton)

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
97489-15-1	sulfonic acids, C14-17-sec-alkane, sodium salts			>15 - <20%
	307-055-2	016-026-00-0	01-2119489924-20	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412			
78330-20-8	Alcohols, C9-11-iso-, C10-rich, ethoxylated			>3 - <5%
	Eye Dam. 1; H318			
68140-00-1	Fatty acid monoethanolamide			>1 - <2%
	268-770-2			
	Eye Dam. 1; H318			
3811-73-2	Pyridine-2-thiol-1-oxide, sodium salt			>0-<0,1%
	223-296-5			
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H332 H312 H302 H315 H319 H317 H400 H411			
2682-20-4	2-methylisothiazol-3(2H)-one			> 0 -<0,1%
	220-239-6	613-326-00-9		
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
97489-15-1	307-055-2	sulfonic acids, C14-17-sec-alkane, sodium salts	>15 - <20% %
		oral: ATE = 500 mg/kg Eye Dam. 1; H318: >= 15 - 100 Eye Irrit. 2; H319: >= 10 - <15	
68140-00-1	268-770-2	Fatty acid monoethanolamide	>1 - <2% %
		oral: LD50 = > 2.000 mg/kg	
3811-73-2	223-296-5	Pyridine-2-thiol-1-oxide, sodium salt	>0-<0,1% %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	> 0 -<0,1% %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

**Further Information**

Full text of H- and EUH-statements: see section 16.

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

Self-protection of the first aider Remove affected person from the danger area and lay down. If unconscious but breathing normally, place in recovery position and seek medical advice.

Remove contaminated, saturated clothing immediately. Never give anything by mouth to an unconscious person or a person with cramps.

**After inhalation**

Provide fresh air. Seek medical attention if problems persist. If breathing is irregular or stopped, administer artificial respiration.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. Do not use solvents or thinners!

In case of skin irritation, consult a physician.

**After contact with eyes**

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth thoroughly with water.

Do NOT induce vomiting.

Call a physician immediately.

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

Treat symptomatically.

First Aid, decontamination, treatment of symptoms.

Effects: Causes serious eye damage.

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

Treat symptomatically. Call a POISON CENTER.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Extinguishing powder

In case of major fire and large quantities: Water spray jet, alcohol resistant foam

**Unsuitable extinguishing media**

Full water jet

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

Hazardous decomposition products In case of fire may be liberated:

Sulphur trioxide, Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide, Phosphorus oxides

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Use personal protection equipment.

Avoid breathing vapours.

Keep away from sources of ignition - No smoking.

Provide adequate ventilation.

**For non-emergency personnel**

Emergency procedures

Remove persons to safety. Remove victim out of the danger area.

The danger areas must be delimited and identified using relevant warning and safety signs.

**For emergency responders**

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up****For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up**

Take up mechanically, placing in appropriate containers for disposal. Clean with detergents. Avoid solvent cleaners.

**Other information**

Provide adequate ventilation.

**6.4. Reference to other sections**

Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13

See protective measures under point 7 and 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Observe normal precautions when working with chemicals.

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Rinse immediately carefully and thoroughly with eye-bath or water.

To avoid risks to human health and the environment, comply with the instructions for use.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

Co-ordinate fire-fighting measures to the fire surroundings.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately.

Keep away from food, drink and animal feedingstuffs.

Wash hands before breaks and after work.

Avoid contact with eyes and skin.

Rinse immediately carefully and thoroughly with eye-bath or water.

Do not breathe vapour/aerosol.

**Further information on handling**

Keep/Store only in original container. Put lids on containers immediately after use.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Suitable container/equipment material: Polyethylene, PP (Polypropylene)

Keep container tightly closed in a cool, well-ventilated place.

Store in a place accessible by authorized persons only.

Protect from heat and direct sunlight.

Protect against frost.

**Hints on joint storage**

non-compatible with Strong acid, Oxidizing agent, alkaline materials

**Further information on storage conditions**

Keep in a cool, well-ventilated place. Protect from heat and direct sunlight. Store upright. Put lids on containers immediately after use. Avoid spilling of the product. Restrict general access to the store. Keep/Store only in original container. Specific treatment (see - on this label).

storage temperature 5-40°C

Do not store at temperatures below 2°C

**7.3. Specific end use(s)**

Use of the substance/mixture: Cleaning of dentures, crowns, bridges and partial denture frames.

Safe handling: see section 7

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
97489-15-1	sulfonic acids, C14-17-sec-alkane, sodium salts			
Consumer DNEL, long-term		dermal	systemic	3,57 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	7,1 mg/kg bw/day
Consumer DNEL, acute		dermal	local	2,8 mg/cm <sup>2</sup>
Worker DNEL, acute		dermal	local	2,8 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	12,4 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	35 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	local	2,5 mg/cm <sup>2</sup>
68140-00-1	Fatty acid monoethanolamide			
Worker DNEL, long-term		inhalation	systemic	73,4 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	4,16 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	21,73 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	6,25 mg/kg bw/day
2682-20-4	2-methylisothiazol-3(2H)-one			
Worker DNEL, long-term		inhalation	local	0,021 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	0,043 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	0,021 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	0,043 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,053 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
Environmental compartment		
68140-00-1	Fatty acid monoethanolamide	
Freshwater		0,24 mg/l
Marine water		0,024 mg/l
Freshwater sediment		5,45 mg/kg
Marine sediment		0,545 mg/kg
Micro-organisms in sewage treatment plants (STP)		10000 mg/l
Soil		0,946 mg/kg
2682-20-4	2-methylisothiazol-3(2H)-one	
Freshwater		0,00339 mg/l
Marine water		0,00339 mg/l
Micro-organisms in sewage treatment plants (STP)		0,23 mg/l
Soil		0,047 mg/kg

**Additional advice on limit values**

Provide adequate ventilation as well as local exhaust at critical locations. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**8.2. Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Eye protection like: EN 166 goggles  
Tightly sealed safety glasses.

**Hand protection**

Wear suitable gloves.  
Suitable gloves type NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber).  
Chemical resistant safety shoes EN ISO 374 Wear protective gloves.  
Breakthrough times and swelling properties of the material must be taken into consideration. The required protective gloves have to be specified by the glove material and the penetration time of the glove material depending on strength and duration of dermal exposition. Wear anti-static footwear and clothing

**Skin protection**

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. EN 13034, type 6 limited splash-tight.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask or quarter facepiece:  
maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

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

Physical state:	Liquid
Colour:	blue
Odour:	odourless
Odour threshold:	not determined

**Test method**
**Changes in the physical state**

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	> 100 °C ASTM D 1078
Softening point:	not applicable
Flash point:	not applicable

**Flammability**

Solid/liquid:	not applicable
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**Explosive properties**

not explosive according to EU A.14

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Auto-ignition temperature:	not applicable

**Self-ignition temperature**

Solid:	Product is not selfigniting.
pH-Value (at 20 °C):	8,7
Viscosity / dynamic: (at 20 °C)	100-160 mPa·s DIN 53019
Viscosity / kinematic: (at 20 °C)	120 mm <sup>2</sup> /s
Water solubility:	completely miscible
Vapour pressure: (at 20 °C)	0,0078 hPa
Density (at 20 °C):	1,02 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	not determined

**9.2. Other information**
**Information with regard to physical hazard classes**

Sustaining combustion:	Not sustaining combustion
Oxidizing properties Not oxidising.	

**Other safety characteristics**

Solvent content:	Organic solvents: -, - % Maximum VOC content: - %
Solid content:	17,00 %
Evaporation rate:	not determined

**Further Information**
**SECTION 10: Stability and reactivity**



**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Protect against frost. Keep away from heat. Protect from sunlight.

**10.5. Incompatible materials**

non-compatible with Strong acid, Oxidizing agent, alkaline materials

**10.6. Hazardous decomposition products**

May form hazardous decomposition products when exposed to high temperatures. Carbon monoxide Carbon dioxide Nitrogen oxides (NOx) Not required for usual handling of the product. No known hazardous decomposition products.

**SECTION 11: Toxicological information**
**11.1. Information on hazard classes as defined in GB CLP Regulation**
**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
97489-15-1	sulfonic acids, C14-17-sec-alkane, sodium salts				
	oral	ATE mg/kg	500		
68140-00-1	Fatty acid monoethanolamide				
	oral	LD50 mg/kg	> 2.000	Rat	
3811-73-2	Pyridine-2-thiol-1-oxide, sodium salt				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		
	inhalation vapour	ATE	11 mg/l		
	inhalation dust/mist	ATE	1,5 mg/l		
2682-20-4	2-methylisothiazol-3(2H)-one				
	oral	ATE mg/kg	100		
	dermal	ATE mg/kg	300		
	inhalation vapour	ATE	0,5 mg/l		
	inhalation dust/mist	ATE	0,05 mg/l		

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye damage.

**Sensitising effects**

Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction. May cause an allergic skin reaction. (Pyridine-2-thiol-1-oxide, sodium salt; 2-methylisothiazol-3(2H)-one)

**Carcinogenic/mutagenic/toxic effects for reproduction**

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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.

**Specific effects in experiment on an animal**

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

**Practical experience**

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

**11.2. Information on other hazards**
**Endocrine disrupting properties**

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

**SECTION 12: Ecological information**
**12.1. Toxicity**

Do not allow to enter into surface water or drains. This mixture does not contain any substances which either present a health or environmental hazard according to Regulation (EC) No. 1272/2008 or have an occupational exposure limit assigned. The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
97489-15-1	sulfonic acids, C14-17-sec-alkane, sodium salts					
	Acute fish toxicity	LC50 mg/l	70,3	96 h	Pimephales promelas	
68140-00-1	Fatty acid monoethanolamide					
	Acute fish toxicity	LC50 mg/l	1-10	96 h	Leuciscus idus (golden orfe)	
3811-73-2	Pyridine-2-thiol-1-oxide, sodium salt					
	Acute fish toxicity	LC50 mg/l	0.167	96 h	Daphnia magna (Big water flea)	GESTIS

**12.2. Persistence and degradability**

The surfactants contained in this mixture 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.

**12.3. Bioaccumulative potential**

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely.

**12.4. Mobility in soil**

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH. according to Regulation (EC) No. 1907/2006 (REACH) The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer No substance related limit value derivable.

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

Dispose according to legislation. The waste code has to be identified in agreement with the disposal company or the competent authority.

**List of Wastes Code - residues/unused products**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself. Directive 2008/98/EC (Waste Framework Directive)  
Consult the appropriate authorities about waste disposal.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number or ID number:</b>	UN 0000
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

<b>14.1. UN number or ID number:</b>	UN 0000
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

<b>14.1. UN number or ID number:</b>	UN 0000
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number or ID number:</b>	UN 0000
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of this transport regulation.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2004/42/EC (VOC): none

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information: 0

**Additional information**

The product is classified and labelled according to EC directives or corresponding national laws.

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

**Additional information**

Betriebssicherheitsverordnung (BetrSichV) ---

Berufsgenossenschaftliche Regeln (DGUV-Regeln) 112-189, 112-192, 112-195

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,12,13,16.

\* Data changed compared with the previous version.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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

CLP: Classification, Labelling and Packaging

DNEL: Derived No-Effect Level (REACH)

EC50: Median effective concentration

EEC: European Economic Community

IATA: International Air Transport Association

ATE: Acute toxicity estimates.

CAO: Cargo Aircraft Only

EN: European standards.

IARC: International Agency for Research into Cancer

ISO: International organization for standardization.

STEL: Limit value for short-term exposure

MAK: Maximum workplace concentration

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

OECD: Organization for economic cooperation and development  
PPM: Parts per million  
TWA: Time Weighted Average  
IBC-Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk.  
IMDG: International Maritime Code for Dangerous Goods  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
CLP: Classification, Labelling and Packaging  
PBT: Persistent, Bioaccumulative and Toxic  
PNEC: Predicted No-Effect Concentration (REACH)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
vPvB: very Persistent and very Bioaccumulative  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3  
Acute Tox. 3: Acute toxicity, Hazard Category 3  
Acute Tox. 2: Acute toxicity, Hazard Category 2  
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Relevant H and EUH statements (number and full text)**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
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.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. No liability, guarantee or surety is assumed for the correctness, reliability and/or completeness of this information neither explicit nor implicit.

**FINO BLUE ACTION Cleaner**

Revision date: 07.03.2024

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**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Cleaning agent	C	20	21	15	2, 6a, 6b	0	26	2682-20-4

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*