

**Trade name:** Copo Star**Product no.:** 27999**Current version :** 2.0.0, issued: 19.04.2021**Replaced version:** 1.0.0, issued: 01.09.2020**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Copo Star****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**General purpose cleaner  
basic cleaner**Uses advised against**

No data available.

**1.3 Details of the supplier of the safety data sheet****Address**Koch-Chemie GmbH  
Einsteinstr. 42  
D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

**Advice on Safety Data Sheet**

sdb\_info@umco.de

**1.4 Emergency telephone number**

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

For information in the event of an emergency during transport:

+44 1865 407333

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Eye Dam. 1; H318

Met. Corr. 1; H290

Skin Corr. 1B; H314

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS05

**Signal word**

Danger

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**Hazardous component(s) to be indicated on label:**2-propylheptane-1-ol, ethoxylated  
sodium metasilicate, pentahydrate**Hazard statement(s)**H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.**Precautionary statement(s)**P260 Do not breathe vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
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.  
P390 Absorb spillage to prevent material damage.**Supplemental label elements**

Regulation (EC) No 648/2004 on detergents (Annex VII):

5-15% non-ionic surfactants  
<5% anionic surfactants  
<5% NTA (nitrilotriacetic acid) and salts thereof  
Perfumings  
CITRONELLOL  
BUTHYLPHENYL METHYLPROPIONAL  
LIMONENE**2.3 Other hazards**

PBT assessment

According to the information provided in the supply chain, the mixture does not contain &gt; 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain &gt; 0.1% of a substance that is considered to be vPvB.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	<b>2-propylheptane-1-ol, ethoxylated</b>			
	160875-66-1	Eye Dam. 1; H318	>= 5.00 - < 10.00	wt%
	-	Acute Tox. 4; H302		
	-			
	-			
2	<b>trisodium-nitrilotriacetate</b>			
	5064-31-3	Acute Tox. 4*; H302	< 5.00	wt%
	225-768-6	Carc. 2; H351		
	607-620-00-6	Eye Irrit. 2; H319		

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	01-2119519239-36			
3	<b>sodium p-cumenesulphonate</b>			
	15763-76-5 239-854-6 - 01-2119489411-37	Eye Irrit. 2; H319	< 5.00	wt%
4	<b>sodium metasilicate, pentahydrate</b>		pls. refer to footnote (2)	
	10213-79-3 600-279-4 - 01-2119449811-37	Met. Corr. 1; H290 Skin Corr. 1B; H314 STOT SE 3; H335 Eye Dam. 1; H318	< 5.00	wt%
5	<b>sodium hydroxide</b>			
	1310-73-2 215-185-5 011-002-00-6 01-2119457892-27	Skin Corr. 1A; H314 Met. Corr. 1; H290 Eye Dam. 1; H318	< 2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(\*, \*\*, \*\*\*, \*\*\*\*) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Carc. 2; H351: C >= 5%	-	-
5	-	Skin Irrit. 2; H315: C >= 0.5% Eye Irrit. 2; H319: C >= 0.5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5%	-	-

**Acute toxicity estimate (ATE) values**

No	oral	dermal	inhalative
2	1740 mg/kg bodyweight		

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

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation.

**After skin contact**

Wash immediately with plenty of water for several minutes. Seek medical attention.

**After eye contact**

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

No data available.

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

No data available.

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Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Corrosive gases/vapours**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear full protective suit.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. High risk of slipping due to leakage/spillage of product.

**For emergency responders**

Personal protective equipment (PPE) - see section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

**6.4 Reference to other sections**

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

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

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

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

**Storage stability**

Value &gt;= 36 months

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**Incompatible products**

Substances to be avoided, see section 10.

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**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	sodium hydroxide	1310-73-2	215-185-5
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Sodium hydroxide			
	WEL short-term (15 min reference period)	2	mg/m <sup>3</sup>

**DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	trisodium-nitrilotriacetate			<b>5064-31-3</b> <b>225-768-6</b>
	inhalative	Short term (acut)	systemic	2.4 mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	0.8 mg/cm <sup>2</sup>
2	sodium p-cumenesulphonate			<b>15763-76-5</b> <b>239-854-6</b>
	dermal	Long term (chronic)	systemic	7.6 mg/kg/day
	inhalative	Long term (chronic)	systemic	53.6 mg/m <sup>3</sup>
3	sodium metasilicate, pentahydrate			<b>10213-79-3</b> <b>600-279-4</b>
	dermal	Long term (chronic)	systemic	1.49 mg/kg/day
	inhalative	Long term (chronic)	systemic	6.22 mg/m <sup>3</sup>
4	sodium hydroxide			<b>1310-73-2</b> <b>215-185-5</b>
	inhalative	Long term (chronic)	local	1 mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	trisodium-nitrilotriacetate			<b>5064-31-3</b> <b>225-768-6</b>
	oral	Short term (acut)	systemic	0.9 mg/kg
	oral	Long term (chronic)	systemic	0.3 mg/kg
	dermal	Short term (acut)	systemic	
	inhalative	Short term (acut)	systemic	9.6 mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	3.2 mg/cm <sup>2</sup>
2	sodium p-cumenesulphonate			<b>15763-76-5</b> <b>239-854-6</b>
	oral	Long term (chronic)	systemic	3.8 mg/kg/day
	dermal	Long term (chronic)	systemic	3.8 mg/kg/day
	inhalative	Long term (chronic)	systemic	13.2 mg/m <sup>3</sup>
3	sodium metasilicate, pentahydrate			<b>10213-79-3</b> <b>600-279-4</b>
	oral	Long term (chronic)	systemic	0.74 mg/kg/day
	dermal	Long term (chronic)	systemic	0.74 mg/kg/day
	inhalative	Long term (chronic)	systemic	1.55 mg/m <sup>3</sup>
4	sodium hydroxide			<b>1310-73-2</b> <b>215-185-5</b>

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inhalative	Long term (chronic)	local	1	mg/m <sup>3</sup>
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**PNEC values**

No	Substance name	CAS / EC no
ecological compartment		Type
		Value
1	<b>trisodium-nitritotriacetate</b>	<b>5064-31-3</b> <b>225-768-6</b>
	water	fresh water
	water	marine water
	sewage treatment plant	-
2	<b>sodium p-cumenesulphonate</b>	<b>15763-76-5</b> <b>239-854-6</b>
	water	fresh water
	water	Aqua intermittent
	sewage treatment plant	-
3	<b>sodium metasilicate, pentahydrate</b>	<b>10213-79-3</b> <b>600-279-4</b>
	water	fresh water
	water	Aqua intermittent
	water	marine water
	sewage treatment plant	-

**8.2 Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respirator with particulate filter

Respirator P2

**Eye / face protection**

Tightly fitting safety glasses (EN 166).

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness	>	0.5	mm
Breakthrough time	>	120	min

**Other**

Chemical-resistant work clothes.

**Environmental exposure controls**

No data available.

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

<b>State of aggregation</b>
liquid

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<b>Form/Colour</b>	
liquid	
green	
<b>Odour</b>	
of lemon	
<b>pH value</b>	
Value	13.4
<b>Boiling point / boiling range</b>	
Value	> 97 °C
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
No data available	
<b>Ignition temperature</b>	
No data available	
<b>Oxidising properties</b>	
not oxidizing	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
No data available	
<b>Upper explosion limit</b>	
No data available	
<b>Vapour pressure</b>	
No data available	
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
Value	1.1 g/cm <sup>3</sup>
Reference temperature	20 °C
<b>Solubility in water</b>	
Comments	miscible
<b>Solubility</b>	
No data available	
<b>Partition coefficient n-octanol/water (log value)</b>	
No data available	
<b>Viscosity</b>	
No data available	
<b>Particle characteristics</b>	
No data available	

## 9.2 Other information

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**Other information**

No data available.

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

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Formation of hydrogen gas possible on contact with certain metals (f.e. aluminium)

**10.4 Conditions to avoid**

None, if handled according to intended use.

**10.5 Incompatible materials**

Oxidizing agents; strong acids

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	Copo Star
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	trisodium-nitritotriacetate	5064-31-3	225-768-6
LD50		1740	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	sodium p-cumenesulphonate	15763-76-5	239-854-6
LD50	>	7000	mg/kg bodyweight
Species	rat		
with reference to	CAS 28348-53-0		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	sodium p-cumenesulphonate	15763-76-5	239-854-6
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
with reference to	CAS 28348-53-0		
Method	OECD 402		
Source	ECHA		
2	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
LD50	>	5000	mg/kg bodyweight
Species	rat		



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Method	EPA OPPTS 870.1200
Source	ECHA

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
LC50	>	5	mg/l
Duration of exposure		4	h
State of aggregation	Dust		
Species	rat		
Source	ECHA		
2	sodium p-cumenesulphonate	15763-76-5	239-854-6
LC50	>	6.41	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
with reference to	CAS 28348-53-0		
Source	ECHA		
3	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
LC50	>	2.06	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	EPA OPPTS 830.1300		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
2	sodium p-cumenesulphonate	15763-76-5	239-854-6
Species	rabbit		
with reference to	CAS 28348-53-0		
Method	OECD 404		
Source	ECHA		
Evaluation	low-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	corrosive		
Evaluation/classification	Based on available data, the classification criteria are met.		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
2	sodium p-cumenesulphonate	15763-76-5	239-854-6
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		

Respiratory or skin sensitisation			
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No	Substance name	CAS no.	EC no.
1	<b>trisodium-nitrilotriacetate</b>	<b>5064-31-3</b>	<b>225-768-6</b>
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
2	<b>sodium p-cumenesulphonate</b>	<b>15763-76-5</b>	<b>239-854-6</b>
Route of exposure		Skin	
Species		guinea pig	
with reference to		CAS 28348-53-0	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
3	<b>sodium metasilicate, pentahydrate</b>	<b>10213-79-3</b>	<b>600-279-4</b>
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	<b>sodium hydroxide</b>	<b>1310-73-2</b>	<b>215-185-5</b>
Route of exposure		Skin	
Species		Human	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	

**Germ cell mutagenicity**

No	Substance name	CAS no.	EC no.
1	<b>trisodium-nitrilotriacetate</b>	<b>5064-31-3</b>	<b>225-768-6</b>
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	<b>sodium p-cumenesulphonate</b>	<b>15763-76-5</b>	<b>239-854-6</b>
Type of examination		Chromosome aberration test	
with reference to		CAS 28348-53-0	
Method		OECD 474	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	<b>sodium metasilicate, pentahydrate</b>	<b>10213-79-3</b>	<b>600-279-4</b>
Type of examination		in vitro gene mutation study in bacteria	
Species		Salmonella typhimurium / Escherichia coli	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		oral	
Type of examination		Mammalian bone marrow micronucleus (in vivo)	
Species		mouse	
Method		OECD 475	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

**Reproduction toxicity**

No	Substance name	CAS no.	EC no.
1	<b>trisodium-nitrilotriacetate</b>	<b>5064-31-3</b>	<b>225-768-6</b>
Species		rat	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

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2	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Carcinogenicity</b>			
No data available			
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
Route of exposure		dermal	
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure		inhalational	
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Route of exposure		oral	
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
Route of exposure		oral	
Species	rat		
Method	OECD 408		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Aspiration hazard</b>			
No data available			

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

No data available.

**Other information**

No data available.

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

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
LC50		114	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Source	ECHA		
2	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
LC50		210	mg/l
Duration of exposure		96	h
Species	Danio rerio		
Method	ISO 7346-1		
Source	ECHA		
<b>Toxicity to fish (chronic)</b>			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
NOEC		>	54 mg/l

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Region: GB

Duration of exposure	224	day(s)
Species	Pimephales promelas	
Source	ECHA	

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
EC50		1700	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	EU Method C.2		
Source	ECHA		
2	sodium hydroxide	1310-73-2	215-185-5
EC50		40.4	mg/l
Duration of exposure		48	h
Species	Ceriodaphnia spec		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
NOEC		9.3	mg/l
Duration of exposure		147	day(s)
Species	Daphnia magna		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
ErC50		>	91.5
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		
2	sodium metasilicate, pentahydrate	10213-79-3	600-279-4
EC50		207	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	DIN 38412		
Source	ECHA		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
NOEC		1.43	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Bacteria toxicity	
No data available	

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	trisodium-nitrilotriacetate	5064-31-3	225-768-6
Value		100	%
Duration		14	d
Method	OECD 301 E		

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Source Evaluation	ECHA readily biodegradable
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**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information**

Other information
Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility. Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	8
Classification code	C9
Packing group	II
Hazard identification no.	80
UN number	UN1760
Proper shipping name	CORROSIVE LIQUID, N.O.S.
Technical name	sodium metasilicate, pentahydrate sodium hydroxide
Tunnel restriction code	E
Label	8

**14.2 Transport IMDG**

**Trade name:** Copo Star**Product no.:** 27999**Current version :** 2.0.0, issued: 19.04.2021**Replaced version:** 1.0.0, issued: 01.09.2020**Region:** GB

Class	8
Packing group	II
UN number	UN1760
Proper shipping name	CORROSIVE LIQUID, N.O.S.
Technical name	sodium metasilicate, pentahydrate sodium hydroxide
EmS	F-A, S-B
Label	8

**14.3 Transport ICAO-TI / IATA**

Class	8
Packing group	II
UN number	UN1760
Proper shipping name	Corrosive liquid, n.o.s.
Technical name	sodium metasilicate, pentahydrate sodium hydroxide
Label	8

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**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****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3
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**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

**Other regulations**

Adhere to the national sanitary and occupational safety regulations when using this product.  
Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.  
The surfactants contained in this product comply with the DetVO 648/2004/EC.

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

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**Trade name:** Copo Star**Product no.:** 27999**Current version :** 2.0.0, issued: 19.04.2021**Replaced version:** 1.0.0, issued: 01.09.2020**Region:** GB

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**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

**Alterations/supplements:**

Alterations to the previous edition are marked in the left-hand margin.

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