

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 23.07.2019

Version number 7

Revision: 21.03.2019

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

- **1.1 Product identifier**
- **Trade name:** TOTAL ACTION Crystale Dishwasher Cleaner
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture:**
Deliming agent
Machine dish washing agent
Cleaning material/ Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufacturer:
GLOBAL COSMED GROUP S.A.
ul. Kuziennicza 15, 59-400 JAWOR
Tel. +78 (76) 870-30-31 (8:00 - 16:00)
Fax +78 (76) 870-32-63
www.globalcosmed.eu
sekretariat.jawor@globalcosmed.eu

Supplier:
Purity Global Ltd
HU1 4BG UK.
www.purityglobal.co.uk
Careline +44 (0) 1482 488010
- **1.4 Emergency telephone number:** + 48 76 870 30 31 (Mo. to Fr. 8:00 - 16:00) or 998 or 112

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **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**



- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands thoroughly after handling.

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P280 Wear eye protection.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 5949-29-1 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	CITRIC ACID (Citric Acid Monohydrate) ⚠ Eye Irrit. 2, H319	≥10- <15%
CAS: 68439-51-0 EC number: 614-484-1	PPG-5-LAURETH-5 (Alcohols C12-14 ethoxylated, propoxylated) ⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	≥2.5- <5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	SODIUM CUMENE SULFONATE (Sodium p-cumenesulphonate) ⚠ Eye Irrit. 2, H319	≥1- <5%
CAS: 3811-73-2 EINECS: 223-296-5 Reg.nr.: 01-2119493385-28	SODIUM PYRITHIONE (Pyridine-2-thiol 1-oxide, sodium salt) ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≥0.0025- <0.025%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants	<5%
perfumes, preservation agents (SODIUM PYRITHIONE, BENZISOTHIAZOLINONE)	

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

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Rinse with warm water.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

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.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
Dilute with plenty of water.
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, acid binders, universal binders, sawdust).
- **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** Keep away from frost and heat.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store and transport uprightly.
- **Storage class:** 12
- **7.3 Specific end use(s)**
The product is a cleaning product for household use. Observe the warnings and instructions on the packaging.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

15763-76-5 SODIUM CUMENE SULFONATE (Sodium p-cumenesulphonate)

Oral	DNEL - long-term, oral, systemic effect	3.8 mg/kg (consumer)
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Dermal	DNEL - long-term, dermal, systemic effect	136.25 mg/kg (worker) 68.1 mg/kg (consumer)
	DNEL - long-term, dermal, local effect	96 µg/cm ² (worker) 48 µg/cm ² (consumer)
Inhalative	DNEL - long-term, inhaled, systemic effect	26.9 mg/m ³ (worker)

· **PNECs**

5949-29-1 CITRIC ACID (Citric Acid Monohydrate)

PNEC water (fresh water)	440 µg/l
PNEC water (marine water)	44 µg/l
PNEC sediment (fresh water)	34.6 mg/kg
PNEC sediment (marine water)	3.46 mg/kg
PNEC (soil)	33.1 mg/kg
PNEC (sewage plant)	>1,000 mg/l

15763-76-5 SODIUM CUMENE SULFONATE (Sodium p-cumenesulphonate)

PNEC water (fresh water)	230 µg/l
PNEC water (marine water)	23 µg/l
PNEC water (intermittent)	2,300 µg/l
PNEC sediment (fresh water)	0.862 mg/kg
PNEC sediment (marine water)	0.0862 mg/kg
PNEC (soil)	0.037 mg/kg
PNEC (sewage plant)	100 mg/l

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

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

Due to missing tests, it is not possible to give exact information about the glove material for the product.

Recommended is therefore:

Only use chemical-protective gloves with CE-labelling of category III.

· **Material of gloves**

Recommended for contact with the product are protective gloves of chemical protection category III made of special nitrile (material thickness > 0.1 mm). Protective gloves should be tested for workplace specific suitability (e.g. mechanical and thermal resistance, antistatic, etc.). For first signs of wear, the protective gloves must be replaced immediately.

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

· **Penetration time of glove material**

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

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Penetration time > 480 minutes recommended. Named penetration times can be significantly shorter in practice.

· **Eye protection:**



Tightly sealed goggles

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· **Limitation and supervision of exposure into the environment**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

· Form:	Fluid
· Colour:	Colourless
· Odour:	Light
· Odour threshold:	Not determined.

· **pH-value at 20 °C:** >2

· **Change in condition**

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapour pressure at 20 °C:** ~23 hPa

· Density at 20 °C:	~1.059 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

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| · Solubility in / Miscibility with water: | Fully miscible. |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: | |
| Dynamic at 20 °C: | <50 mPas |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 0.0 % |
| Water: | 83.6 % |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Keep away from frost and heat.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

5949-29-1 CITRIC ACID (Citric Acid Monohydrate)

Oral	LD50	5,400 mg/kg (mouse) (OECD TG 401)
		>3,000 mg/kg (rat)

Dermal	LD50	>2,000 mg/kg (rat) (OECD TG 402)
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68439-51-0 PPG-5-LAURETH-5 (Alcohols C12-14 ethoxylated, propoxylated)

Oral	LD50	>2,000-5,000 mg/kg (rat) (OECD TG 401)
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Dermal	LD50	>5,000 mg/kg (rat) (OECD TG 402)
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15763-76-5 SODIUM CUMENE SULFONATE (Sodium p-cumenesulphonate)

Oral	LD50	>7,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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3811-73-2 SODIUM PYRITHIONE (Pyridine-2-thiol 1-oxide, sodium salt)

Oral	LD50	1,208 mg/kg (rat)
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Dermal	LD50	1,800 mg/kg (rabbit)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

5949-29-1 CITRIC ACID (Citric Acid Monohydrate)

Toxicity (fish): LC50	440-760 mg/l, 96 h (Leuciscus idus)
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68439-51-0 PPG-5-LAURETH-5 (Alcohols C12-14 ethoxylated, propoxylated)

Toxicity (fish): LC50	>1-10 mg/l, 96 h (Leuciscus idus)
Toxicity (Daphnia): EC50	>1-10 mg/l, 48 h (Daphnia magna) (OECD TG 202)
Toxicity (Algae): EC50	>1-10 mg/l, 72 h (Desmodesmus subspicatus) (OECD TG 201)

3811-73-2 SODIUM PYRITHIONE (Pyridine-2-thiol 1-oxide, sodium salt)

Toxicity (fish): LC50	0.0066 mg/l, 96 h (Oncorhynchus mykiss)
Toxicity (Daphnia): EC50	0.022 mg/l, 48 h (Daphnia magna)
Toxicity (Algae): EC50	0.46 mg/l, 72 h (Selenastrum capricornutum)

· **12.2 Persistence and degradability**

5949-29-1 CITRIC ACID (Citric Acid Monohydrate)

Readily biodegradable	97 % (28 d) (OECD TG 301 B)
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68439-51-0 PPG-5-LAURETH-5 (Alcohols C12-14 ethoxylated, propoxylated)

Readily biodegradable	>60 % (28 d) (OECD TG 301 F)
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15763-76-5 SODIUM CUMENE SULFONATE (Sodium p-cumenesulphonate)

Readily biodegradable	100 % (OECD TG 301 B)
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3811-73-2 SODIUM PYRITHIONE (Pyridine-2-thiol 1-oxide, sodium salt)

Readily biodegradable	>70 % (OECD TG 301 B)
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· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Empty the container thoroughly.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Waste disposal key:**
20 01 29
15 01 10
- **Uncleaned packaging:**
- **Recommendation:**
Non contaminated packagings may be recycled.
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, 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: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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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

*H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.*

· Training hints

When manufacturing and distributing the product: information and instruction in handling, safety and hygiene.

When transporting the product: information and instruction in ADR.

· Classification according to Regulation (EC) No 1272/2008 Calculation method**· Department issuing SDS: FR**

· Contact: *info@globalcosmed.de*

· 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)

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

Acute Tox. 4: Acute toxicity – Category 4

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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

· * Data compared to the previous version altered.