

# SAFETY DATA SHEET

## Professional Dishwasher Cleaner

Doc. SDS\_CLP830\_00-EN\_GBC-CDT2006-Rev.00\_2017-01-03

Publication date 03/01/2017

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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Commercial name : **Professional Dishwasher Cleaner**  
 Model : **CDT2006**

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

Uses consumer [SU21], Uses professional [SU22] : **Detergent in tabs pads for the maintenance of the dishwasher. Degrease and sanitize all parts components of the dishwasher.**  
 Uses advised against : **All those not specifically identified on the label**

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

**GBCHEM srl** – Via Santa Eufemia, 8 - 25040 CORTE FRANCA (BS) - ITALIA  
 tel. +39 3464232984  
 e-mail competent person: [gbchemsrl@yahoo.it](mailto:gbchemsrl@yahoo.it)

#### 1.4. Emergency telephone number

+39 3464232984 (from 08,30 to 12,30 - from 14,00 to 18,00)

### 2. Hazards identification

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

##### 2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms : GHS07  
 Class codes and hazard category : Eye Irrit. 2  
 Codes Hazard : H319 - Causes serious eye irritation.

##### 2.1.2 Adverse effects:

The product, if brought into contact with the eyes, the product causes considerable irritation which can last for more than 24 hours.

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008:

Pictograms : GHS07  
 Warning code : WARNING  
 Codes Hazard : H319 - Causes serious eye irritation.



**WARNING**

#### Safety advice

##### General

P101 - If medical advice is needed, have product container or label at hand.  
 P102 - Keep out of reach of children.

##### Response

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.

**Contains (Reg. 648/2004):** ≥ 5% < 15%: based bleaching agents oxygen; < 5% Non-ionic surfactants; other: parfum

#### 2.3. Other hazards

Data not available.

### 3. Composition/information on ingredients

#### 3.1. Composition/information on ingredients

Refer to section 16 for full text of hazard statements.

Substance	Concentration	Classification	CAS	EINECS	REACH
Citric acid monohydrate	≥ 20 < 30%	Eye Irrit. 2, H319	5949-29-1	611-842-9	--
Disodium carbonate, compound with hydrogen peroxide (2:3)	≥ 10 < 15%	Ox. Sol. 3, H272; Acute Tox. 4, H302; Eye Dam. 1, H318	15630-89-4	239-707-6	01-2119457268-30
Sodium carbonate	≥ 5 < 10%	Eye Irrit. 2, H319	497-19-8	207-838-8	01-2119485498-19
Adipic acid	≥ 5 < 10%	Eye Irrit. 2, H319	124-04-9	204-673-3	01-2119457561-38

### 4. First aid measures

#### 4.1. Description of first aid measures

**Inhalation:** Remove the polluted area and keep the patient at rest in open air. SEEK MEDICAL ADVICE.

**Direct contact with the skin (of the pure product):** Remove contaminated clothing and wash before reuse. Wash the parts that have been in contact with the product, even if only suspected, using soap and water. Do not use neutralizing substances and do not apply ointments before the 24 hours or without your doctor's. SEEK MEDICAL ADVICE.

**Direct contact with the eyes (of the pure product):** Wash immediately and thoroughly for at least 15 minutes under running water with eyelids held open; then protect eyes with dry sterile gauze and resort to medical care. Do not use eye drops or ointment of any kind without specific prescription.

**Ingestion:** IMMEDIATELY TO MEDICAL CARE. Do not induce vomiting and do not give anything without the control of health personnel. Keep the casualty rest in open air.

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

Dust damage to mucous membranes and upper respiratory tract, eyes and skin. The symptoms are: Cough, Shortness of breath, Headache, Nausea, Vomiting.

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

Refer to Section 4.1 Description of first aid measures.

### 5. Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** : CO<sub>2</sub>, chemical powder, alcohol-resistant foam.

**Unsuitable extinguishing media** : None in particular.

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

During combustion may develop potentially harmful fumes for health.

### 5.3 Advice for firefighters

Use protective clothing to respiratory system, eyes and skin. The water spray can be used to disperse the vapors and protect the people involved in the extinction. It is also recommended to use breathing apparatus, especially, if you operate in closed, poorly ventilated and in any case if you use halogenated extinguishing. Wear special protective equipment for fire team.

## 6. Accidental release measures

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

**For non-emergency personnel:** Move away from the area surrounding the spill or release. Not smoking.

**For emergency responders:** General Information: Use proper personal protective equipment as indicated in Section 8.

**Precautionary measures targeted at people:** Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) or from the air in the occurred loss.

### 6.2. Environmental precautions

Limit leakages with earth or sand preventing from entering surface water and / or sewer. If the product has escaped into large amounts in a water course or has contaminated the ground or vegetation, notify the competent authorities.

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

Recover the product for reuse or for disposal, taking care not to cause dust. After collection, wash with abundant water the area and materials involved.

### 6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Normal precautions for handling chemical products protecting against accidental contact. Do not smoke, eat or drink when handling. When handling do not cause dust.

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

Store in original packaging in a cool, ventilated and protected from heat. Moisture sensitive.

### 7.3. Specific end use(s)

**Uses consumer [SU21], Uses professional [SU22] :**

Handle with caution. Keep tightly closed container away from moisture and away from heat sources.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

**Adipic acid** TLV/TWA: 5 mg/m<sup>3</sup> (ACGIH 2014).

**Substance: Citric acid monohydrate**

**PNEC**

Fresh water = 0,44 (mg/l)

Sediments Fresh water = 34,6 (mg/kg/Sediments)

Sea water = 0,044 (mg/l)

Sediments Sea water = 3,46 (mg/kg/Sediments)

STP = 1000 (mg/l)

Soil = 33,1 (mg/kg Soil)

**Substance: disodium carbonate, compound with hydrogen peroxide (2:3)**

**DNEL**

Long-term systemic effects Inhalation Workers = 5 (mg/m<sup>3</sup>)

Long-term systemic effects dermal Workers = 12,8 (mg/kg bw/day)

Long-term systemic effects Dermal Consumer = 6,4 (mg/kg bw/day)

Short-term systemic effects Dermal Consumer = 6,4 (mg/kg bw/day)

**PNEC**

Fresh water = 0,035 (mg/l)

Sea water = 0,035 (mg/l)

STP = 16,24 (mg/l)

**Substance: Sodium carbonate**

**DNEL**

Long-term systemic effects Inhalation Workers = 10 (mg/m<sup>3</sup>)

Short-term local effect Inhalation Workers = 10 (mg/m<sup>3</sup>)

**Substance: Adipic acid**

**DNEL**

Long-term systemic effects Inhalation Workers = 264 (mg/m<sup>3</sup>)

Long-term systemic effects dermal Workers = 38 (mg/kg bw/day)

Long-term systemic effects Inhalation Consumer = 65 (mg/m<sup>3</sup>)

Long-term systemic effects Dermal Consumer = 19 (mg/kg bw/day)

Long-term systemic effects Oral Consumers = 19 (mg/kg bw/day)

Short-term systemic effects Inhalation Workers = 264 (mg/m<sup>3</sup>)

Short-term systemic effects dermal Workers = 38 (mg/kg bw/day)

Short-term systemic effects Inhalation Consumer = 65 (mg/m<sup>3</sup>)

Short-term systemic effects Dermal Consumer = 19 (mg/kg bw/day)

Short-term systemic effects Oral Consumers = 19 (mg/kg bw/day)

Long-term local effect Inhalation Workers = 5 (mg/m<sup>3</sup>)

Short-term local effect Inhalation Workers = 5 (mg/m<sup>3</sup>)

**PNEC**

Fresh water = 0,126 (mg/l)

Sediments Fresh water = 0,484 (mg/kg/Sediments)

Sea water = 0,0126 (mg/l)

Sediments Sea water = 0,0484 (mg/kg/Sediments)

Intermittent emissions = 0,46 (mg/l)

STP = 59,1 (mg/l)

Soil = 0,0228 (mg/kg Suolo)

### 8.2. Exposure controls

**Individual protection measures, such as personal protective equipment**

- a) Eye/face protection: Use safety glasses with side protection according to EN-166
- b) Skin protection
  - i) Hand protection: They recommend waterproof protective gloves according to EN 374-1, -2 and -3 (eg. Minimum thickness 0.3 nitrile - neoprene / natural minimum 0.55 thick latex). In relation to the time of contact use gloves with IP (Index of Permeation) suitable. Gloves must be inspected before being used. Using a suitable technique for the removal of the gloves (without touching the outer surface of the glove) to avoid skin contact with the contaminated outer surface of the glove.
  - ii) Other: Avoid direct skin contact by using appropriate protective clothing.
- c) Respiratory protection: In the event of use in the vicinity of the parameters indicated in section 8.1, use of protective equipment for respiratory illnesses according to the UNI EN 529: 2006 (Respiratory protective devices - Recommendations for selection, use, care and maintenance - guidance Document) establishing the appropriate FPO value "Assigned protection factor."
- d) Thermal hazards: Avoid exposure to open flame.

**Environmental exposure controls:** Avoid reckless release to the environment

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### 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value
Appearance	White crystalline solid in TABS
Odour	Characteristic
Odour threshold	Not available
pH	Pure product: Not applicable Solution at 10%: 7,5 ± 1
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Irrelevant
Evaporation rate	Irrelevant
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not available
Hydro-solubility	Soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Irrelevant
Explosive properties	Not available
Oxidising properties	Not available

#### 9.2. Other information

No further data available

### 10. Stability and reactivity

#### 10.1. Reactivity

Under normal conditions of use are not known reactivity phenomena.

#### 10.2. Chemical stability

Stable in normal use and storage conditions.

#### 10.3. Possibility of hazardous reactions

None known under normal conditions of use.

#### 10.4. Conditions to avoid

Do not mix with other chemicals in general.

#### 10.5. Incompatible materials

Basic chemicals.

#### 10.6. Hazardous decomposition products

Under normal conditions it does not decompose.

### 11. Toxicological information

#### 11.1. Information on toxicological effects

ATE(mix) oral = 3.144,7 mg/kg

ATE(mix) dermal = not available

ATE(mix) inhal = not available

- |                                      |   |
|--------------------------------------|---|
| a) acute toxicity                    | : Based on available data, the classification criteria are not met  |
| b) skin corrosion/irritation         | : Based on available data, the classification criteria are not met  |
| c) serious eye damage/irritation     | : The product, if brought into contact with the eyes, the product causes considerable irritation which can last for more than 24 hours. |
| d) respiratory or skin sensitisation | : Based on available data, the classification criteria are not met  |
| e) germ cell mutagenicity            | : Based on available data, the classification criteria are not met  |
| f) carcinogenicity                   | : Based on available data, the classification criteria are not met  |
| g) reproductive toxicity             | : Based on available data, the classification criteria are not met  |
| h) STOT-single exposure              | : Based on available data, the classification criteria are not met  |
| i) STOT-repeated exposure            | : Based on available data, the classification criteria are not met  |
| j) aspiration hazard                 | : Based on available data, the classification criteria are not met  |

Related contained substances:

#### Sodium carbonate

INHALATION RISK

: A harmful concentration of airborne particles can be reached quickly if powdered.

EFFECTS OF SHORT-TERM EXPOSURE

: The substance is irritating to the eyes, the skin and the respiratory tract.

EFFECTS OF LONG-TERM OR REPEATED

: The substance may have effects on the respiratory tract, resulting in perforation of the nasal septum. Repeated or prolonged contact with skin may cause dermatitis.

#### ACUTE HAZARDS / SYMPTOMS

INHALATION Cough. Sore throat.

SKIN Reddening.

INGESTION Burning sensation in the throat and chest. Abdominal pain.

LD50 Oral (rat) (mg/kg bw) = 4090

LD50 dermal (rat or rabbit) (mg/kg bw) = 117

CL50 Inhalation (rat) di vapour/dust/aerosol/smoke (mg/1/4h) or gas (ppmV/4h) = 5200

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### Adipic acid

ROUTES OF EXPOSURE : The substance can be absorbed into the body by inhalation of its aerosol.  
INHALATION RISK : Evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly if powdered.  
EFFECTS OF SHORT-TERM EXPOSURE : The substance is irritating to the eyes and the respiratory tract. Inhalation of aerosol of this substance may cause asthmatic reactions.  
EFFECTS OF LONG-TERM OR REPEATED : Repeated or prolonged contact may cause skin sensitization. Repeated or prolonged inhalation exposure may cause asthma.

### ACUTE HAZARDS / SYMPTOMS

INHALATION Cough. Sore throat.

EYES Reddening. Pain.

NOTE The symptoms of asthma often do not become manifest until a few hours and they are aggravated by physical effort. They are therefore essential the rest and medical observation. Anyone who has shown symptoms of asthma caused by contact with this substance should avoid all further contact.

## 12. Ecological information

### 12.1. Toxicity

Adopt good working practices, avoiding release of the product in the environment.

### 12.2. Persistence and degradability

Regulation (EC) No. 648/2004

The surfactant contained in this preparation complies with the biodegradability criteria established by Regulation EC / 648/2004 on detergents. All supporting data are kept available to the competent authorities of the Member States and will be made, at their direct request or at the request of a detergent manufacturer, to the said authorities.

### 12.3. Bioaccumulative potential

Data not available

### 12.4. Mobility in soil

Data not available

### 12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contain pursuant to Regulation PBT / vPvB (EC) No. 1907/2006, Annex XIII.

### 12.6. Other adverse effects

Data not available

## 13. Disposal considerations

### 13.1. Waste treatment methods

Do not reuse empty containers. Dispose of in compliance with current regulations. Any remaining product can be burned in a suitable incinerator equipped with post-combustion and abatement.

## 14. Transport information

### 14.1. UN Number

Not included in the scope of regulations on the transport of dangerous goods by road (ADR); Rail (RID); by air (ICAO / IATA); by sea (IMDG).

### 14.2. UN proper shipping name

Not applicable

### 14.3 Hazard classes of transport

Transport hazard class(es) : Not applicable  
Label : Not applicable  
Tunnel restriction code : Not applicable  
Limited quantities : Not applicable  
EmS : Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Environmental hazards : NO  
Marine pollutant : NO

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

It is not intended to carry bulk

## 15. Regulatory information

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

**REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006** concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008** on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**COMMISSION REGULATION (EC) No 790/2009, of 10 August 2009** amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

**REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004** on detergents.

### 15.2. Chemical safety assessment

Chemical safety assessment not provided.

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### 16. Other information

#### 16.1. Other information

Description of danger signs set out in paragraph 3

- H272 = May intensify fire; oxidiser
- H302 = Harmful if swallowed.
- H318 = Causes serious eye damage.
- H319 = Causes serious eye irritation.

Classification made based on the data of all the components of the mixture.

In case of need, there are the active telephone numbers 24 hours 24 of some poison centers:

POISON CENTRE			
Country	AUSTRIA	Country	BELGIUM
Name of poison centre	Vergiftungsinformationszentrale (Poisons Information Centre)	Name of poison centre	Centre Antipoisons-Antigifocentrum
Emergency phone	+43 1 406 43 43	Emergency phone	+32 70 245 245
Website	<a href="http://www.gifinfo.org">www.gifinfo.org</a>	Website	<a href="http://www.poisoncentre.be">www.poisoncentre.be</a>
Country	CROATIA	Country	FRANCE
Name of poison centre	Poison Control Centre Zagreb	Name of poison centre	ORFILA Liste des centres anti poison
Emergency phone	+358 1 2348 342	Emergency phone	+33 1 40 05 48 48
Website	<a href="http://www.imi.hr">www.imi.hr</a>	Website	--
Country	FRANCE	Country	GERMANY
Name of poison centre	Centre antipoison et de toxicovigilance de Paris	Name of poison centre	Deutschland Notrufnummer
Emergency phone	+33 (0)1 40 05 48 48	Emergency phone	030 30 68 67 90
Website	<a href="http://www.centres-antipoison.net">www.centres-antipoison.net</a>	Website	--
Country	ITALIA	Country	ITALIA
Name of poison centre	Centro Antiveleni di Firenze	Name of poison centre	Centro Antiveleni Genoa
Emergency phone	+39 55 79 47 819	Emergency phone	+39 10 56 36 12 45
Website	<a href="http://www.antiveleni.altervista.org">www.antiveleni.altervista.org</a>	Website	--
Country	ITALIA	Country	ITALIA
Name of poison centre	Centro Antiveleni Ospedale Cardarelli	Name of poison centre	Servizio Antiveleni di Padova
Emergency phone	+ 39 081 74 72 870	Emergency phone	+39 49 82 75 078
Website	<a href="http://www.ospedalecardarelli.it/ospedale/centro-anti-veleni">www.ospedalecardarelli.it/ospedale/centro-anti-veleni</a>	Website	--
Country	ITALIA	Country	ITALIA
Name of poison centre	Centro Antiveleni di Milano Niguarda	Name of poison centre	IRCCS Fondazione S.Maugeri
Emergency phone	+39 2 66 10 10 29	Emergency phone	+39 382 24 444
Website	<a href="http://www.centroantiveleni.org">www.centroantiveleni.org</a>	Website	<a href="http://www.cavpavia.it">www.cavpavia.it</a>
Country	ITALIA	Country	ITALIA
Name of poison centre	Centro Antiveleni Policlinico Gemelli	Name of poison centre	Centro Antiveleni Università "La Sapienza"
Emergency phone	+39 6 30 54 343	Emergency phone	+39 6 49 97 06 98
Website	<a href="http://www.tox.it">www.tox.it</a>	Website	<a href="http://www.uniroma1.it/cav_cartella">www.uniroma1.it/cav_cartella</a>
Country	ITALIA	Country	NETHERLANDS
Name of poison centre	Centro Antiveleni Torino	Name of poison centre	National Poisons Information Centre
Emergency phone	+39 11 66 37 637	Emergency phone	+31 30 274 88 88
Website		Website	<a href="http://www.vergiftgingen.info">www.vergiftgingen.info</a>
Country	SPAIN		
Name of poison centre	Emergencias y consultas toxicológicas		
Emergency phone	915 620 420		
Website	--		

#### SOURCES

- ACGIH - American Conference of Governmental Industrial Hygienists
- ECHA - European Chemicals Agency
- IARC - International Agency for Research on Cancer
- IPCS - International Programme on Chemical Safety (Cards)
- NIOSH - Registry of toxic effects of chemical substances (1983)
- OSHA - European Agency for Safety and Health at Work
- TOXNET - Toxicology Data Network
- WHO - World Health Organization

Safety Data Sheet according to Regulation (EU) No. 2015/830 of 29 May 2015 and subsequent amendments

The information in this SDS was obtained from the best that is available or to our knowledge on the market at the specified review date. Neither the Company registered holder of this card nor the subsidiaries will accept any complaints arising from improper use of the information set forth herein or from improper use of the product in the application. Pay particular attention to the use of preparations because improper use can increase the hazard.