

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

### **1.1. Product identifier**

Product code : Hygienfresh PowerCaps Professional  
Trades code : A48-600  
Product line: Hygienfresh

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

Stain remover-soluble concentrated whitening capsules

Sectors of use:

Private households (= general public = consumers)[SU21], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

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

Tintolav s.r.l. - Via M. D' Antona 7 - 10028 Trofarello (TO) Tel. 011/649.68.27 Fax 011/649.67.42

Email: [info@tintolav.com](mailto:info@tintolav.com) - Sito internet: [www.tintolav.com](http://www.tintolav.com)

Email tecnico competente: [a.conedera@tintolav.com](mailto:a.conedera@tintolav.com)

National contact: Malta: Emergency Ambulance 112  
Accident & Emergency Department 2545 4030

### **1.4. Emergency telephone number**

The UK National Poisons Emergency number +44 (0)870 600 6266  
London: Emergency 24 hour telephone +44 (0) 207188 0100

## **SECTION 2. Hazards identification**

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

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

Pictograms:

GHS05

Hazard Class and Category Code(s):

Eye Dam. 1

Hazard statement Code(s):

H318 - Causes serious eye damage.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

### **2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS05 - Danger



**Hazard statement Code(s):**

H318 - Causes serious eye damage.

**Supplemental Hazard statement Code(s):**

not applicable

**Precautionary statements:**

**General**

P102 - Keep out of reach of children.

**Prevention**

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**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.

**Contains:**

disodium carbonate—hydrogen peroxide (2:3), tetrasodium ethylenediaminetetraacetate

**Contains (Reg.EC 648/2004):**

> 30% oxygen-based bleaching agents, < 5% EDTA and salts thereof

Content of VOC ready to use condition: 0,00 %

**2.3. Other hazards**

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

**SECTION 3. Composition/information on ingredients**

**3.1 Substances**

Irrilevant

**3.2 Mixtures**

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
sodium carbonate	> 30 <= 50%	Eye Irrit. 2, H319	011-005-00-2	497-19-8	207-838-8	01-2119485 498-19
disodium carbonate—hydrogen peroxide (2:3)	> 20 <= 30%	Ox. Sol. 2, H272; Acute Tox. 4, H302; Eye Dam. 1, H318		15630-89-4	239-707-6	01-2119457 268-30
tetrasodium ethylenediaminetetraacetate	> 1 <= 5%	Acute Tox. 4, H302; Eye Dam. 1, H318	607-428-00-2	64-02-8	200-573-9	

**SECTION 4. First aid measures**

**4.1. Description of first aid measures**

**Inhalation:**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

#### **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**

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

## **SECTION 5. Firefighting measures**

### **5.1. Extinguishing media**

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

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

No data available.

### **5.3. Advice for firefighters**

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

## **SECTION 6. Accidental release measures**

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

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

## **6.2. Environmental precautions**

Contain spill  
Inform the competent authorities.  
Discharge the remains in compliance with the regulations

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

6.3.1 For containment:  
Rapidly recover the product, wear a mask and protective clothing  
Recover the product for reuse, if possible, or the removal.

6.3.2 For cleaning up:  
After wiping up, wash with water the area and materials involved

6.3.3 Other information:  
None in particular.

## **6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

# **SECTION 7. Handling and storage**

## **7.1. Precautions for safe handling**

At work do not eat or drink.  
See also paragraph 8 below.

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

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.

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

Private households (= general public = consumers):  
Handle with care.  
Store in ventilated place away from heat sources,  
Keep the container tightly closed.

Public domain (administration, education, entertainment, services, craftsmen):  
Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

# **SECTION 8. Exposure controls/personal protection**

## **8.1. Control parameters**

Related to contained substances:  
disodium carbonate—hydrogen peroxide (2:3):  
Specification: DNEL (EC) parameter: local short-term Dermal Effects Workers value: 12.8 mg/cm<sup>2</sup> specification: DNEL (EC) parameter: local long-term Dermal Effects Workers value: 12.8 mg/cm<sup>2</sup>  
Specification: DNEL (EC) parameter: local long term Inhalation Effects Workers value: 5 mg/m<sup>3</sup>  
Specification: DNEL (EC) parameter: local short-term Dermal Effects Population value: 6.4 mg/cm<sup>2</sup>  
Specification: DNEL (EC) parameter: local long-term Dermal Effects Population value: 6.4 mg/cm<sup>2</sup>  
Specification: PNEC STP (EC) value: 16.24 mg/l specification: PNEC (EC): freshwater Parameter value: 0.035 mg/l  
Specification: PNEC (EC): seawater Parameter value: 0.035 mg/l  
Specification: PNEC (EC): emission desultory Parameter value: 0.035 mg/l  
Specification: TLV/TWA (EC): respirable fraction Parameter value: 3 mg/m<sup>3</sup>

Specification: TLV/TWA (EC): inhalable fraction Parameter value: 10 mg/m<sup>3</sup>

**8.2. Exposure controls**



Appropriate engineering controls:  
 Private households (= general public = consumers):  
 No specific checks planned

Public domain (administration, education, entertainment, services, craftsmen):  
 No specific monitoring foreseen

Individual protection measures:

- (a) Eye / face protection  
 When handling the pure product use safety glasses (spectacles cage) (EN 166).
- (b) Skin protection
  - (i) Hand protection  
 When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)
  - (ii) Other  
 When handling the pure product wear full protective skin clothing.
- (c) Respiratory protection  
 Not needed for normal use.
- (d) Thermal hazards  
 No hazard to report

Environmental exposure controls:  
 Use according to good working practices to avoid pollution into the environment.

**SECTION 9. Physical and chemical properties**

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

Physical and chemical properties	Value	Determination method
Appearance	White powder	
Odour	characteristic	
Odour threshold	not determined	
pH	10,5	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	nonflammable	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	nonflammable	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	irrelevant	
Vapour density	not determined	

<b>Physical and chemical properties</b>	<b>Value</b>	<b>Determination method</b>
Relative density	0,800 g/cm <sup>3</sup>	
Solubility	completely soluble in water	
Water solubility	completely soluble in water	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

### 9.2. Other information

Content of VOC ready to use condition: 0,00 %

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Nothing to report

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

ATE(mix) oral = 2.809,4 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation disodium carbonate—hydrogen peroxide (2:3): Skin irritation (OECD 404): can be slightly irritating.
- (c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.  
disodium carbonate—hydrogen peroxide (2:3): Eye irritation (OECD 405): severely irritating (determined on rabbit eyes)
- (d) respiratory or skin sensitization: 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) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (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 to contained substances:

sodium carbonate:

INHALATION RISK: A harmful concentration of areodisperse particles can be reached quickly especially if crumbly.

Effects of short-term exposure: the substance is irritating to eyes, skin and respiratory tract.

Effects of REPEATED EXPOSURE or long term: the substance can affect the respiratory tract, causing perforation of the nasal septum. Repeated or prolonged contact with skin may cause dermatitis.

ACUTE HAZARDS/Symptoms Inhalation: Cough. Sore throat.

: SKIN Redness.

Ingestion: burning sensation in the throat and chest. Abdominal pain.

LD50 (rat) Oral (mg/kg body weight) = 4090

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 117

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 5200

disodium carbonate—hydrogen peroxide (2:3):

Specification: LD50 Via oral administration: test Species: rat value: = 1034 mg/kg

Specification: LD50 Via oral administration: test Species: Rat (female) value: = 893 mg/kg

Specification: LD50 Via oral administration: test Species: Rat (male): Value = 1164 mg/kg

Specification: LD50 Dermal intake: test Species: rabbit value: > 2000 mg/kg

Specification: recruitment: LD50 Inhalation test Species: Rat value: = 700 mg/m<sup>3</sup>

LD50 (rat) Oral (mg/kg body weight) = 893

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 700

tetrasodium ethylenediaminetetraacetate:

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): >2000 mg/kg [Rat].

Chronic Effects on Humans: May cause damage to the following organs: upper respiratory tract, skin, eyes.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Acute Potential Health effects: Skin: May cause skin irritation.

Eyes:

May cause eye irritation. Inhalation: May cause irritation of the respiratory tract. Ingestion: May cause gastrointestinal tract

irritation. The toxicological properties of this substance have not been fully investigated.

LD50 (rat) Oral (mg/kg body weight) = 2000

### 12.1. Toxicity

Related to contained substances:

sodium carbonate:

Use in accordance with the working practices, avoiding to disperse the product in the environment.

LC100 Fish other: finish stairs carp 1110mg/L, 6:0, Turoboyski, I., Proba wplywu wysokich dawek okreslenia niektorych narybek karpia chemicznych na zwiazkow (attemp to determine the influence of high doses of some ...). Roczn. Nauk roln. 75B (3) 401-445 (1960).

LC50 Fish Gambusia 83d, affinis 740mg/L, Wallen, I.E., Greer, W.C., Lasater, r., Toxicity to gambusia affinis also of certain chemicals in turbid waters. Sewage IND. wastes 29 (6): 695-711, (1957).

EC50 Daphnia other: Culex SP. 600 mg/L 48, Dowden, B.F., Bennett, H.J., Toxicity of selected chemicals to certain animals. Journal WPCF, VOL. 37, 1308-1316 9 (1965).

EC50 Daphnia Daphnia magna 297mg/L 4 d FREEMAN I. FOWLER i. TOXICITY OF COMBINATIONS OF CERTAIN INORGANIC COMPOUNDS TO DAPHNIA MAGNA STRAUS. SEWAGE IND. WASTES 1953 V25 N10 P1191-1195 (USED REF 8267)

Algae EC50 Nitzschia SP. 242mg/L 5 d, Patrick, r., Cairns, JR.J., Schreier, a., The relative sensitivity of diatoms, snails and fish to twenty common constituents of industrial wastes. Prog. Fish-cult. 30 (3) 137-140 (1968).

C(E)L50 (mg/l) = 200

disodium carbonate—hydrogen peroxide (2:3):

Specification: EC50 Daphnia pulex Daphnia: Parametro value = 4.9 mg/l. test: 48 h

Specification: EC50: Alga anabaena Parametro

Value = 8 mg/l. test: 140 h

Specification: Parametro: Fish LC50

Pimephales promelas value = 70.7 mg/l. test: 96 h

Specification: NOEL Parametro: Fish

Pimephales promelas value = 7.4 mg/l. test: 96 h

Specification: NOEL Parametro: Daphnia

Daphnia pulex value = 2 mg/l. test: 48 h

C(E)L50 (mg/l) = 4,9

tetrasodium ethylenediaminetetraacetate:

Ecotoxicity: Ecotoxicity in water (LC50): 760 mg/l 96 hours [Bull gill sunfish]. 59.8 mg/l 96 hours [Fathead Minnow].

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

C(E)L50 (mg/l) = 500

Use according to good working practices to avoid pollution into the environment.

### 12.2. Persistence and degradability

Related to contained substances:

disodium carbonate—hydrogen peroxide (2:3):

Abiotic demolition

The product can be cleared by abiotic processes, e.g. photolytic or chemical.

tetrasodium ethylenediaminetetraacetate:

Partly biodegradable according to OECD test

-BOD5: 50 mg O2/g

-COD: 260 mg O2/g

**12.3. Bioaccumulative potential**

Related to contained substances:  
disodium carbonate—hydrogen peroxide (2:3):  
Do not bio-accumulate.

tetrasodium ethylenediaminetetraacetate:  
None of the components bio-accumulative

**12.4. Mobility in soil**

No data available.

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

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

**12.6. Other adverse effects**

No adverse effects

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.  
Recover if possible. Operate according to local or national regulations

**SECTION 14. Transport information**

**14.1. UN number**

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

**14.2. UN proper shipping name**

None

**14.3. Transport hazard class(es)**

None

**14.4. Packing group**

None

**14.5. Environmental hazards**

None

---

**14.6. Special precautions for user**

No data available.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

It is not intended to carry bulk

**SECTION 15. Regulatory information**

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

No data available.

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

**SECTION 16. Other information**

**16.1. Other information**

Description of the hazard statements exposed to point 3

H319 = Causes serious eye irritation.

H272 = May intensify fire; oxidiser.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

\*\* The information contained herein is based on our knowledge at the date above.

Related solely to the product and do not constitute a guarantee of a particular quality.

It is the duty of the user to ensure that these are appropriate and complete information regarding the specific use intended.

This data sheet cancels and replaces any previous edition.

---