

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

### **1.1. Product identifier**

Product code : Oxygen superwash REACH N. 01-2119457268-30

Trades code : A48-005

Product line: Tintolav

Chemical Name: disodium carbonate—hydrogen peroxide (2:3) CAS: 15630-89-4 - EC No: 239-707-6 - REACH: 01-2119457268-30

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

Bleach stain remover Bio-compatible to water wash

Industrial Manufacturing[SU3], 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 - Sito internet: www.tintolav.com

Email tecnico competente: 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**

CAS 15630-89-4 EINECS 239-707-6 REACH 01-2119457268-30

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

Pictograms:

GHS03, GHS05, GHS07

Hazard Class and Category Code(s):

Ox. Sol. 2, Acute Tox. 4, Eye Dam. 1

Hazard statement Code(s):

H272 - May intensify fire; oxidiser.

H302 - Harmful if swallowed.

H318 - Causes serious eye damage.

2.1.2 Classification according to Directive 1999/45/EEC:

Classification:

O; R8 Xn; R22 Xi; R41

Nature of special risks attributed:

R8 - Contact with combustible material may cause fire.  
 R22 - Harmful if swallowed.  
 R41 - Risk of serious damage to eyes.

The product has oxidizing properties can intensify fire  
 Harmful product: do not ingest  
 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):  
 GHS03, GHS05, GHS07 - Danger

Hazard statement Code(s):  
 H272 - May intensify fire; oxidiser.  
 H302 - Harmful if swallowed.  
 H318 - Causes serious eye damage.

Precautionary statements:

Prevention

- P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P264 - Wash your hand thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- 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)

Contains (Reg.EC 648/2004):

> 30% oxygen-based bleaching agents

For professional use only

**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**

Refer to paragraph 16 for full text of risk phrases and hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
disodium carbonate—hydrogen peroxide (2:3)	100%	O; R8 Xn; R22 Xi; R41 Ox. Sol. 2, H272; Acute Tox. 4, H302; Eye Dam. 1, H318		15630-89-4	239-707-6	01-2119457 268-30

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
-----------	---------------	----------------	-------	-----	--------	-------

### 3.2 Mixtures

Irrilevant

## 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):

Take contaminated clothing Immediately off.  
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

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:

The product is harmful and can cause irreversible damages even following a single exposure if swallowed. Absolutely do not induce vomiting or emesis. Seek medical advice 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

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

## 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.  
CO<sub>2</sub> or dry powder extinguisher

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 a mask, gloves and protective clothing. Suitable: LaTeX, nitrile, PVC

Delete all naked flames and potential sources of ignition. Do not smoke.

Provide adequate ventilation.

Evacuate danger area and, where appropriate, 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**

Avoid contact and inhalation of vapors. See also paragraph 8 below.

At work do not eat or drink.

### **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.

Keep away from combustible materials.

Store in a cool place, away from sources of heat and `direct exposure of sunlight.

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

Industrial Manufacturing:

Handle with extreme caution.

Store in a well ventilated place away from heat sources.

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:

Industrial Manufacturing:

No specific monitoring foreseen

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 solid	
Odour	characteristic	
Odour threshold	not determined	
pH	10,6 1 vol% @ 20 °C	
Melting point/freezing point	> 65 °C	
Initial boiling point and boiling range	not determined	
Flash point	not determined	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	not determined	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	< 10 <sup>-3</sup> Pa at 25°C	
Vapour density	not determined	
Relative density	2,09 g/cm <sup>3</sup>	
Solubility	140 g/l	
Water solubility	soluble in water	
Partition coefficient: n-octanol/water	-1,57	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	ossidante	

**9.2. Other information**

No data available.

**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**

Decomposition catalysts, metals, metal salts, acids, alkalis and reducing agents.

#### **10.4. Conditions to avoid**

Nothing to report

#### **10.5. Incompatible materials**

It can generate inflammable gases to contact nitrides.

It can generate gases toxic to contact with aliphatic and aromatic amines, carbamate ditiocarbamate, thiol and others organic sulfide, nitrile, inorganic sulfide, inflammable and combustible material.

It can ignite in contact with alcohol and glycol, azotic compound, diazotic compound and idrazine, carbamate, ditiocarbamate, thiol and others organic sulfide, nitrides, combustible and inflammable materials.

#### **10.6. Hazardous decomposition products**

In case of fire you can release carbon oxides.

### **SECTION 11. Toxicological information**

#### **11.1. Information on toxicological effects**

(a) acute toxicity: Harmful product: do not ingest

(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: not applicable

(e) germ cell mutagenicity: not applicable

(f) carcinogenicity: not applicable

(g) reproductive toxicity: not applicable

(h) specific target organ toxicity (STOT) single exposure: not applicable

(i) specific target organ toxicity (STOT) repeated exposure: not applicable

(j) aspiration hazard: not applicable

Oxygen superwash:

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

Related to contained substances:

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

### **SECTION 12. Ecological information**

#### **12.1. Toxicity**

Oxygen superwash

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

Related to contained substances:  
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

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

### **12.2. Persistence and degradability**

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

### **12.3. Bioaccumulative potential**

Do not bio-accumulate.

### **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. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

## **SECTION 14. Transport information**

### **14.1. UN number**

3378

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 1 kg per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 1 kg per package 20 Kg





**14.2. UN proper shipping name**

SODIUM CARBONATE PEROXYHYDRATE

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

Class : 5.1

Label : 5.1

Tunnel restriction code : E

Limited quantities : 1 kg

EmS : F-A, S-Q

**14.4. Packing group**

II

**14.5. Environmental hazards**

Product is not environmentally hazardous

Marine polluting agent : Not

**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 sentences of risk set out in paragraph 3

R8 = Contact with combustible material may cause fire.

R22 = Harmful if swallowed.

R41 = Risk of serious damage to eyes.

Description of the hazard statements exposed to point 3

H272 = May intensify fire; oxidiser.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC



## SAFETY DATA SHEET

### Oxygen superwash

Issued on 01/07/2014 - Rel. # 1 on 01/07/2014

# 10 / 10

In conformity to Regulation (EC) No 453/2010 of 20 May 2010

---

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.

---