

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

### **1.1. Product identifier**

Product code : Tintolav Oxygen superwash  
Trades code : A48-005  
Product line: Tintolav

UFI: Q6N0-W02W-Q00W-3NJ2

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

Bleach stain remover Bio-compatible to water wash

Sectors of use:

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](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:

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.

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.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 - Keep away from clothing and other combustible materials.

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

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/physician

P370+P378 - In case of fire: use water to extinguish.

Disposal

P501 - Dispose of contents / container in accordance with local and national regulations.

Contains:

disodium carbonate—hydrogen peroxide (2:3)

Contains (Reg.EC 648/2004):

> 30% oxygen-based bleaching agents

For professional use only

UFI: Q6N0-W02W-Q00W-3NJ2

**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

Abiotic demolition

The product can be eliminated by abiotic process, eg. chemical or photolytic.

It does not bio-accumulate.

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

Refer to paragraph 16 for full text of hazard statements



Substance	Concentration[ w/w]	Classification	Index	CAS	EINECS	REACH
disodium carbonate—hydrogen peroxide (2:3)	>= 75 < 100%	Ox. Sol. 2, H272; Acute Tox. 4, H302; Eye Dam. 1, H318	ND	15630-89-4	239-707-6	01-2119457 268-30
sodium carbonate	>= 5 < 15%	Eye Irrit. 2, H319	011-005-00-2	497-19-8	207-838-8	01-2119485 498-19

### 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):

In case of contact with skin, wash immediately with water and soap.

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

Eye irritation eye damage

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

Immediately call a POISON CENTER/doctor/physician

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

Recommended extinguishing media:

In case of fire use: Water

Nebulized water, CO<sub>2</sub>, foam, chemical powders depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets. Use water jets only to cool the surfaces of 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.  
Eliminate all open flames and possible sources of ignition. Not smoking.  
Provide adequate ventilation.  
Evacuate the danger area and, if necessary, 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**

Wear protective gloves/protective clothing/eye protection/face protection.  
At work do not eat or drink.  
Do not eat, drink or smoke when using this product.  
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.  
Keep away from combustible materials.

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

### 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>

- Substance: disodium carbonate—hydrogen peroxide (2:3)

DNEL

Local effects Long term Workers inhalation = 5 (mg/m<sup>3</sup>)

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

Local effects Long term Consumers dermal = 6,4 (mg/kg bw/day)

Local effects Short term Workers dermal = 12,8 (mg/kg bw/day)

Local effects Short term Consumers dermal = 6,4 (mg/kg bw/day)

PNEC

Sweet water = 0,03 (mg/l)

Sea water = 0,03 (mg/l)

intermittent emissions = 0,03 (mg/l)

STP = 16,24 (mg/l)

- Substance: sodium carbonate

DNEL

Local effects Long term Workers inhalation = 10 (mg/m<sup>3</sup>)

Local effects Long term Consumers inhalation = 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**

Handle with gloves. Gloves must be checked before use. Use a technique suitable for removing gloves (without touching the outer surface of the glove) to avoid the skin contact with this product. Dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry your hands. The selected protective gloves have to satisfy the requirements of EU directive 89/686 / EEC and the resulting EN 374 standards.

Full contact

Material: Nitrile rubber

minimum thickness: 0.11 mm

breakthrough time: 480 min

The choice of an appropriate glove depends not only on the material but also on other quality characteristics which vary from one manufacturer to another.

For the choice of the type of gloves to use, consult the supplier / manufacturer of the gloves.

Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.

**(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	Solid	
Colour	white	
Odour	irrelevant	
Odour threshold	not determined	
pH	10,6 1 vol% @ 20 °C	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	undefined	
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	

Physical and chemical properties	Value	Determination method
Vapour density	not determined	
Relative density	2,09 g/cm <sup>3</sup>	
Solubility	140 g/l	
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

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

### 10.4. Conditions to avoid

Related to contained substances:

disodium carbonate—hydrogen peroxide (2:3):

Avoid humidity. Avoid temperatures above 60, direct sunlight and exposure to any kind of heat sources.

### 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 hydrazine, carbamate, ditiocarbamate, thiol and others organic sulfide, nitrides, combustible and inflammable materials.

**10.6. Hazardous decomposition products**

In the event of a fire, carbon oxides can be released.

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

ATE oral = 992,2 mg/kg

ATE dermal = ∞

ATE inhal = ∞

(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 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) 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.

Tintolav 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

sodium carbonate:

INHALATION RISK: A harmful concentration of aerosolised 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

### **11.2. Information on other hazards**

No data available.

## **SECTION 12. Ecological information**

### **12.1. Toxicity**

Tintolav Oxygen superwash:  
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 eliminated by abiotic process, eg. chemical or photolytic.

### **12.3. Bioaccumulative potential**

It does not bio-accumulate.

### **12.4. Mobility in soil**

No data available.

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

No PBT/vPvB ingredient is present

### **12.6. Endocrine disrupting properties**

No data available.

### **12.7. 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 or ID number**

ADR/RID/IMDG/ICAO-IATA: 3378

ADR exemption because compliance with the following characteristics:

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**

ADR/RID/IMDG: CARBONATO DI SODIO PEROSSIDRATO

ADR/RID/IMDG: SODIUM CARBONATE PEROXYHYDRATE

ICAO-IATA: SODIUM CARBONATE PEROXYHYDRATE

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

ADR/RID/IMDG/ICAO-IATA: Class : 5.1

ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities

ADR: Tunnel restriction code : E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 kg

IMDG - EmS : F-A, S-Q

**14.4. Packing group**

ADR/RID/IMDG/ICAO-IATA: II

**14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

**14.6. Special precautions for user**

No data available.

**14.7. Maritime transport in bulk according to IMO instruments**

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**

Seveso category:

P8 - OXIDISING LIQUIDS AND SOLIDS

REGULATION (EU) No 1357/2014 - waste:

HP2 - Oxidising

HP4 - Irritant — skin irritation and eye damage

**15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

**SECTION 16. Other information**

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### 16.1. Other information

Points modified compared to previous release: 1.1. Product identifier, 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 3.1 Substances, 4.1. Description of first aid measures, 4.2. Most important symptoms and effects, both acute and delayed, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 6.1. Personal precautions, protective equipment and emergency procedures, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 8.1. Control parameters, 8.2. Exposure controls, 9.2. Other information, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.6. Hazardous decomposition products, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.2. Persistence and degradability, 12.3. Bioaccumulative potential, 12.5. Results of PBT and vPvB assessment, 12.6. Endocrine disrupting properties, 14.1. UN number or ID number, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 14.4. Packing group, 14.5. Environmental hazards, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H272 = May intensify fire; oxidiser.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

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.