

# SAFETY DATA SHEET



## OXYBLEACH

APPLIED PRODUCTS AUSTRALIA PTY LTD

Catalogue number: AP860

Version No: 2.1

Issue date: 05/01/2017

Safety Data Sheet according to WHS and ADG requirements

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### Product Identifier

Product name	OXYBLEACH
Synonyms	AP860
Other means of identification	Not Available

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

Relevant identified uses	Oxygenated Bleaching and Sanitizing Powder
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#### Details of the manufacturer/importer

Registered company name	APPLIED PRODUCTS AUSTRALIA PTY LTD
Address	11 Gamma Close, Beresfield 2322 NSW Australia
Telephone	(02) 4966 5516
Fax	(02) 4966 5510
Website	www.actichem.com.au
Email	info@actichem.com.au

#### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 1126
Other emergency telephone numbers	Not Available


### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	6
GHS Classification <sup>[1]</sup>	Oxidizing Solid Category 3, Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, Acute Toxicity (Oral) Category 4,
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

#### Label elements

GHS label elements	
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SIGNAL WORD	<b>WARNING</b>
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#### Hazard statement(s)

H272	May intensify fire; oxidizer
H315	Causes skin irritation
H319	Causes serious eye irritation
H302	Harmful if swallowed

#### Precautionary statement(s) Prevention

P280	Wear protective gloves, eye protection and face protection.
P220	Keep / Store away from clothing, rags, paper and other combustible materials
P221	Take any precaution to avoid mixing with combustibles such as fuels and solvents
P264	Wash hands and exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product

**Precautionary statement(s) Response**

P305+P351+P338+P337+P313	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice / attention.
P302+P352+P362+P332+P313	IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice / attention.
P301+P330+P312	IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.
P370+P378	In case of fire: Use water spray/fog for extinction.

**Precautionary statement(s) Storage**

P410	Protect from sunlight
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**Precautionary statement(s) Disposal**

P501	Dispose of contents/container in accordance with local regulations
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This SDS and the hazard classifications contained herein only apply to the product in its concentrated form as supplied. When diluted as recommended and ready-to-use, they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS****Substances**

See section below for composition of Mixtures

**Mixtures**

CAS No	%[weight]	Name
15630-89-4	30 -60	<u>sodium percarbonate</u>
7320-34-5	<10	<u>potassium pyrophosphate</u>
497-19-8	30 - 60	<u>sodium carbonate</u>

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**SECTION 4 FIRST AID MEASURES****Description of first aid measures**

<b>Eye Contact</b>	If this product comes in contact with the eyes: Wash out immediately with fresh running water for 10-15 minutes. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin Contact</b>	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
<b>Inhalation</b>	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
<b>Ingestion</b>	If the subject is completely conscious, rinse mouth and administer fresh water. Don't induce vomiting. If the subject is unconscious, loosen collar and tight clothing, lay the victim on his/her left side, and give nothing by mouth. Keep warm with blanket. Don't induce vomiting Seek medical advice / attention if patient is unwell

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5 FIREFIGHTING MEASURES****Extinguishing media**

<b>Extinguishing media</b>	NOTE: <u>Chemical extinguishing agents may accelerate decomposition.</u> [CCINFO] FOR SMALL FIRE: USE FLOODING QUANTITIES OF WATER. DO NOT use dry chemical, CO2, foam or halogenated-type extinguishers. FOR LARGE FIRE Flood fire area with water from a protected position
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**Special hazards arising from the substrate or mixture**

<b>Fire incompatibility</b>	Avoid storage with reducing agents. Avoid any contamination of this material as it is very reactive and any contamination is potentially hazardous
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**Advice for firefighters**

<b>Fire Fighting</b>	<p>Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water courses. Fight fire from a safe distance, with adequate cover. Extinguishers should be used only by trained personnel. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location If safe to do so, remove containers from path of fire.</p>
<b>Fire/Explosion Hazard</b>	<p>Combustible solid which burns but propagates flame with difficulty Heat affected containers remain hazardous. Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, i.e. flame or spark, will cause fire or explosion. Combustion products include: carbon monoxide (CO), carbon dioxide (CO2) and other pyrolysis products typical of burning organic material</p>

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

<b>Minor Spills</b>	<p>Check regularly for spills and leaks. Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Use dry clean up procedures and avoid generating dust. Place in a suitable, labelled container for waste disposal. Flush away residues with copious amounts of water.</p>
<b>Major Spills</b>	<p>May be violently or explosively reactive. Wear breathing apparatus and protective gloves. No smoking, flames or ignition sources. Increase ventilation. Use dry clean up procedures and avoid generating dust. Use spark-free and explosion-proof equipment. Contain spill with sand, earth or other clean, inert materials. NEVER USE organic absorbents such as sawdust, paper or cloth.</p>
<p>Personal Protective Equipment advice is contained in Section 8 of the SDS.</p>	

**SECTION 7 HANDLING AND STORAGE**

**Precautions for safe handling**

<b>Safe handling</b>	<p>Provide adequate ventilation. Avoid personal contact and inhalation of mist or vapours. Always wear protective equipment and wash off any spillage from clothing. Keep material away from light, heat, flammables or combustibles. Keep cool, dry and away from incompatible materials. Avoid physical damage to containers. DO NOT repack or return unused portions to original containers. Withdraw only sufficient amounts for immediate use. Use only minimum quantity required. Minimise airborne dust and eliminate all ignition sources. Keep away from heat, hot surfaces, sparks, and flame</p>
<b>Other information</b>	<p>Store in original containers. Keep containers securely sealed as supplied. Store in a cool, well ventilated area. Keep dry. Store under cover and away from sunlight. Store away from flammable or combustible materials, debris and waste. Contact may cause fire or violent reaction. Store away from incompatible materials and foodstuff containers.</p>

**Conditions for safe storage, including any incompatibilities**

<b>Suitable container</b>	<p><b>DO NOT repack.</b> Use containers supplied by manufacturer only.</p>
<b>Storage incompatibility</b>	<p>Avoid contamination with reducing agents, and acids. Store out of sunlight May react with copper, aluminium and their alloys.</p>

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**OCCUPATIONAL EXPOSURE LIMITS (OEL)**

**INGREDIENT DATA**


No relevant data available

**EMERGENCY LIMITS**

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
sodium carbonate	sodium carbonate	12 mg/m3	130 mg/m3	780 mg/m3
potassium pyrophosphate	Potassium pyrophosphate; (Tetrapotassium diphosphonate)	22 mg/m3	250 mg/m3	1900 mg/m3

Ingredient	Original IDLH	Revised IDLH
sodium percarbonate	Not Available	Not Available
potassium pyrophosphate	Not Available	Not Available
sodium carbonate	Not Available	Not Available

## Exposure controls

<b>Appropriate engineering controls</b>	Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended.
<b>Personal protection</b>	
<b>Eye and face protection</b>	Safety glasses with side shields OR Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. . Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly.
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	Wear elbow length chemical protective gloves. Natural rubber or Nitrile are recommended for this application.
<b>Body protection</b>	See Other protection below
<b>Other protection</b>	Barrier cream. Skin cleansing cream. Eye wash unit.
<b>Thermal hazards</b>	Not Available

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	White powder		
<b>Physical state</b>	Powder	<b>Relative density (Water = 1)</b>	Not Available
<b>Odour</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature(°C)</b>	Not Available
<b>pH (as supplied)</b>	Not applicable	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Flash point (°C)</b>	Not Applicable	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Applicable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Applicable	<b>Molecular weight (g/mol)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Applicable	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Miscible	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Inhaled</b>	There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. If prior damage to the circulatory or nervous systems has occurred or if kidney damage has been sustained, proper screenings should be conducted on individuals who may be exposed to further risk if handling and use of the material result in excessive exposures..
<b>Ingestion</b>	Accidental ingestion of the material may be harmful
<b>Skin Contact</b>	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
<b>Eye</b>	This material can cause eye irritation and damage in some persons.
<b>Chronic</b>	Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis, caused by particles less than 0.5 micron penetrating and remaining in the lung. Long term inhalation of sodium carbonate may result in nose damage and lung disease. Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.

**SECTION 12 ECOLOGICAL INFORMATION****Toxicity**

Not considered to be ecotoxic.

**Persistence and degradability**

Ingredient	Persistence: Water/Soil	Persistence: Air
sodium carbonate	LOW	LOW

**Bio accumulative potential**

Ingredient	Bioaccumulation
sodium carbonate	LOW (LogKOW = -0.4605)


**Mobility in soil**

Ingredient	Mobility
sodium carbonate	HIGH (KOC = 1)

**SECTION 13 DISPOSAL CONSIDERATIONS****Waste treatment methods**

Product / Packaging disposal	
	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.

**SECTION 14 TRANSPORT INFORMATION****Labels Required**

	
Marine Pollutant	NO
HAZCHEM	1Y

**Land transport (ADG)**

UN number	3378				
Packing group	II				
UN proper shipping name	SODIUM CARBONATE PEROXYHYDRATE				
Environmental hazard	No relevant data				
Transport hazard class(es)	<table border="1"><tbody><tr><td>Class</td><td>5.1</td></tr><tr><td>Sub risk</td><td>Not applicable</td></tr></tbody></table>	Class	5.1	Sub risk	Not applicable
Class	5.1				
Sub risk	Not applicable				
Special precautions for user	<table border="1"><tbody><tr><td>Special provisions</td><td>Not applicable</td></tr><tr><td>Limited quantity</td><td>1 Kg</td></tr></tbody></table>	Special provisions	Not applicable	Limited quantity	1 Kg
Special provisions	Not applicable				
Limited quantity	1 Kg				

**SECTION 15 REGULATORY INFORMATION****Safety, health and environmental regulations / legislation specific for the substance or mixture****SODIUM PERCARBONATE (15630-89-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Inventory of Chemical Substances (AICS)

**POTASSIUM PYROPHOSPHATE (7320-34-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Inventory of Chemical Substances (AICS)

**SODIUM CARBONATE (497-19-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS**

Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System - Consolidated Lists

## SECTION 16 OTHER INFORMATION

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### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references. A list of reference resources used to assist the committee may be found at: [www.chemwatch.net](http://www.chemwatch.net)

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

PC-TWA:	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Government Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit
IDLH:	Immediate Danger to Life or Health Concentrations
OSF:	Odour Safety Factor
NOAEL:	No Observed Effects Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio Concentration Factors
BEI:	Biological Exposure Index

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**End of SDS**