

# SAFETY DATA SHEET



## OXYBOOST PLUS

APPLIED PRODUCTS AUSTRALIA PTY LTD

Catalogue number: AP446

Version No: 1.3

Issue date: 13/01/2017

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	OXYBOOST PLUS
Synonyms	AP446
Proper shipping name	SODIUM CARBONATE PEROXYHYDRATE
Other means of identification	Not Available

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

Relevant identified uses	Oxygen powered destainer and booster
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#### Details of the supplier of the safety data sheet

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 11 26
Other emergency telephone numbers	Not Available

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

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

Poisons Schedule	6
GHS Classification [1]	Acute Toxicity (Oral) Category 4, Serious Eye Damage Category 1, Oxidizing Solid Category 2
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	
SIGNAL WORD	<b>DANGER</b>

#### Hazard statement(s)

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H318	Causes serious eye damage
AUH066	Repeated exposure may cause skin dryness and cracking

#### Precautionary statement(s) Prevention

P210	Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P221	Take any precaution to avoid mixing with combustibles / organic material.
P280	Wear eye protection.
P220	Keep / Store away from clothing / organic material / combustible materials.
P270	Do not eat, drink or smoke when using this product.

## Precautionary statement(s) Response

P305+P310+P351+P338	IF IN EYES: Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352+P362+P332+P313	IF ON SKIN: Wash with plenty of soap and water. 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 CENTER or doctor if you feel unwell.
P370+P378	In case of fire: Use water spray/fog for extinction.

## Precautionary statement(s) Storage

P405 +P410	Store locked up. 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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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

## Mixtures

CAS No	%[weight]	Name
15630-89-4	<60	sodium percarbonate
10543-57-4	10 - <30	tetraacetylenediamine

## SECTION 4 FIRST AID MEASURES

## Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Obtain medical advice / attention without delay. Immediately hold eyelids apart and flush the eye continuously with running water. 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. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If required, transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	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.
Inhalation	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	<b>IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.</b> For advice, contact a Poisons Information Centre or a doctor. Urgent hospital treatment is likely to be needed. In the meantime, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition. If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. Further action will be the responsibility of the medical specialist. If medical attention is not available on the worksite or surroundings send the patient to a hospital together with a copy of the SDS.

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

Treat symptomatically

Hydrogen peroxide at moderate concentrations (5% or more) is a strong oxidant.

Direct contact with the eye is likely to cause corneal damage especially if not washed immediately. Careful ophthalmologic evaluation is recommended and the possibility of local corticosteroid therapy should be considered.

## SECTION 5 FIREFIGHTING MEASURES

## Extinguishing media

Extinguishing media	NOTE: <u>Chemical extinguishing agents may accelerate decomposition.</u> [CCINFO] FOR <b>SMALL FIRE</b> : Use flooding quantities of water. <b>DO NOT</b> use dry chemical, CO <sub>2</sub> , foam or halogenated-type extinguishers. FOR <b>LARGE FIRE</b> Flood fire area with water from a protected position
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## Special hazards arising from the substrate or mixture

Fire incompatibilities	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. <b>DO NOT</b> 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>Will not burn but increases intensity of fire. Heating may cause expansion or decomposition leading to violent rupture of containers. Heat affected containers remain hazardous. Contact with combustibles such as wood, paper, oil or finely divided metal may produce spontaneous combustion or violent decomposition. May emit irritating, poisonous or corrosive fumes.</p>

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

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

<b>Minor Spills</b>	<p>Clean up all spills immediately. No smoking, naked lights, ignition sources. Avoid all contact with any organic matter including fuel, solvents, sawdust, paper or cloth and other incompatible materials, as ignition may result. Avoid breathing dust and all contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Scoop up solid residues and seal in labelled drums for disposal. Flush away with copious amounts of water.</p>
<b>Major Spills</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. Consider evacuation (or protect in place). No smoking, flames or ignition sources. Increase ventilation.</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 dust. 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. <b>DO NOT</b> repack or return unused portions to original containers. Withdraw only sufficient amounts for immediate use. Use only minimum quantity required. Avoid using solutions of peroxides in volatile solvents.</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>This product contains hydrogen peroxide which is a powerful oxidiser Avoid contamination with reducing agents, acids, alkalis, organic solvents, metallic salts. Avoid combustible materials and liquids. Keep away from combustible materials such as cloths, wood and sawdust. Keep out of sunlight.</p>

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**OCCUPATIONAL EXPOSURE LIMITS (OEL)**

**INGREDIENT DATA**


No data available

**EMERGENCY LIMITS**

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
sodium percarbonate	sodium percarbonate	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
sodium percarbonate	Not Available	Not Available
tetraacetylenediamine	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>	Chemical goggles. Full face shield may be required for supplementary but never for primary protection of eyes. 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 chemical protective gloves, e.g. Neoprene Hand cream offers no protection for hydrogen peroxide and should not be used.
<b>Body protection</b>	See Other protection below
<b>Other protection</b>	Overalls. PVC Apron. Eyewash unit. Ensure there is ready access to a safety shower.
<b>Thermal hazards</b>	Not Available

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Appearance</b>	White powder with blue flecks		
<b>Physical state</b>	Powder	<b>Relative density (Water = 1)</b>	Not Available
<b>Odour</b>	Not Available	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Applicable
<b>pH (as supplied)</b>	10.0	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Molecular weight (g/mol)</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>Surface Tension (dyn/cm or mN/m)</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 under normal handling conditions. Hazardous polymerisation will not occur. Unstable if submitted to prolonged exposure to heat
<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. Inhalation of dusts, generated by the material during the course of normal handling, may be damaging to the health of the individual. 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>	There is some evidence to suggest that this material can cause inflammation of the skin on contact in some persons. 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>	If applied to the eyes, this material causes severe eye damage.
<b>Chronic</b>	Prolonged or repeated skin contact may cause drying with cracking, irritation and possible dermatitis following.

**SECTION 12 ECOLOGICAL INFORMATION**

**Toxicity**

DO NOT discharge into sewer or waterways.

**Persistence and degradability**

Ingredient	Persistence: Water/Soil	Persistence: Air
tetraacetylenediamine	HIGH	HIGH

**Bio accumulative potential**

Ingredient	Bioaccumulation
tetraacetylenediamine	LOW (LogKOW = -2.3586)

**Mobility in soil**

Ingredient	Mobility
tetraacetylenediamine	LOW (KOC = 414.5)

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Product / packaging disposal</b>	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations
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**SECTION 14 TRANSPORT INFORMATION**

**Labels Required**

	
<b>Marine Pollutant</b>	NO
<b>HAZCHEM</b>	1Y

**Land transport (ADG)**

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

**TETRAACETYLETHYLENEDIAMINE (10543-57-4) IS FOUND ON THE FOLLOWING REGULATORY LISTS**  
 Australia Inventory of Chemical Substances (AICS)

**SECTION 16 OTHER INFORMATION**

**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**