

# SAFETY DATA SHEET.

Product Name: REVIVE.



## 1. IDENTIFICATION

<b>GHS Product Identifier:</b>	REVIVE
<b>Product code:</b>	0399 502 (PS-53)
<b>Supplier:</b>	Trenton International Pty Ltd 2/9 Canal Road, St Peters NSW 2044 Telephone: (02) 8571 9988 Facsimile: (02) 8571 9977 Email: office@trenton.com.au
<b>Emergency Telephone Numbers:</b>	Transport/Fire Emergency: 000 (Emergency services) Medical Emergency: 131126 (Poisons Information Centre)
<b>Recommended use of the chemical and restrictions on use:</b>	Polycarbonate drinkware detergent powder Use as directed on the product label.

## 2. HAZARD IDENTIFICATION

<b>GHS classification of the substance/mixture:</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7 <sup>th</sup> edition)
<b>Hazard Categories:</b>	Serious Eye Damage/Irritation - Category 2A
<b>Pictogram (s):</b>	
<b>Signal Word (s)</b>	Warning.
<b>Precautionary statement – Prevention:</b>	P234 Keep only in original container P264 Wash contaminated skin thoroughly after handling P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary statement – Response:</b>	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: get medical advice/attention. P363 Wash contaminated clothing before reuse.
<b>Precautionary statement – Storage:</b>	P404: Store in a closed container. P410 + P403: Protect from sunlight. Store in a well-ventilated place.
<b>Precautionary statement – Disposal:</b>	P501 Dispose of contents/container in accordance with local regulations.
<b>HSNO Classifications:</b>	Health hazards: 6.3B Substances that are mildly irritating to the skin

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name:	CAS Number:	Proportion of Ingredients:
Polyphosphate	10101-89-0	10-30%
Sodium carbonate	6132-02-1	10-30%
Silicates	10213-79-3	10-30%
Sodium sulphate	7757-82-6	10-30%
Surfactant/biodegradable (non-ionic)	68551-13-3	1-10%
Trosclosene, sodium	2893-78-9	1-10%
Ingredients not determined to be hazardous according to NOHSC criteria and not dangerous according to ADG Code	Balance to 100%	

## 4. FIRST AID MEASURES

### Description of necessary measures according to routes of exposure:

<b>Swallowed</b>	Do NOT induce vomiting. Rinse mouth, and then drink one or two large glasses of water. Contact a doctor or the Poisons Information Centre (Tel: 13 11 26)
<b>Eye</b>	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

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<b>Skin</b>	Remove all contaminated clothing. Wash skin gently and thoroughly with copious amounts of water and non-abrasive soap if necessary.
<b>Inhaled</b>	Remove the source of contamination or move the victim to fresh air; avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. No first aid measures are normally required; however, if irritation becomes painful or persists more than about 30 minutes, seek medical advice.
<b>Advice to Doctor</b>	Treat symptomatically as for strong alkalis - based on judgement of doctor and individual reactions of patient.
<b>Medical Conditions Aggravated by Exposure</b>	Repeated or prolonged skin contact may cause irritant contact dermatitis (inflammation of the skin).

### 5. FIRE FIGHTING MEASURES

<b>General Measures</b>	If safe to do so, remove containers from the path of fire.
<b>Flammability Conditions</b>	Product is non-flammable and stable under normal conditions of use and storage.
<b>Extinguishing Media</b>	In case of fire, use (water fog, foam or dry chemical powder)
<b>Fire and Explosion Hazard</b>	Non-combustible material.
<b>Hazardous Products of Combustion</b>	May evolve carbon dioxide under fire conditions.
<b>Special Fire Fighting Instructions</b>	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.
<b>Personal Protective Equipment</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves) or chemical splash suit.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	None assigned

### 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
<b>Clean Up Procedures</b>	Soak up spilled product using absorbent non-combustible material such as sand or soil. Do NOT use sawdust or cellulose. Collect material and transfer to a suitable labelled, dry, sealable chemical-waste container and dispose of promptly as hazardous waste.
<b>Containment</b>	Stop leak if safe to do so.
<b>Environmental Precautionary Measures</b>	Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
<b>Evacuation Criteria</b>	Evacuate all unnecessary personnel.
<b>Personal Precautionary Measures</b>	Personnel involved in the clean up should wear full protective clothing as listed in section 8; self-contained breathing apparatus may be needed for prolonged periods of exposure. Cover drains. Remove all sources of ignition.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid generating mists or aerosols. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product fumes.
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Keep out of direct sunlight and avoid contact with moisture. Do not store with incompatible products such as oxidizing agents, acids, hydrated lime, aluminium powder, fluorine, phosphorous pentoxide, sulphuric acid, ammoniacal silver nitrate, molten lithium and sources of ignition. May react violently with strong acids; carbon dioxide gas and large quantities of heat can be evolved. Keep containers securely sealed and protected against physical damage. Do not store with

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	any foodstuffs. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
Container	Store in original packaging as approved by manufacturer.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC).
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection Equipment	RESPIRATOR: If inhalation risk exists, wear an approved mist respirator (AS1715/1716). EYES: Chemical splash goggles or safety glasses with side shields and a full face shield (AS1336/1337). HANDS: Elbow length impervious gloves; PVC, neoprene or nitrile rubber should be suitable (AS2161). CLOTHING: Protective overalls, splash apron and boots (AS3765/2210).
Work Hygienic Practices	After using this product always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder
Odour	Slight Chlorine
Colour	White
pH	>13 as Concentrate
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Freezing Point	No Data Available
Specific Density	1.24g/L
Flash Point	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Octanol Water Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Appearance	Powder
Evaporation Rate	No Data Available
Auto Ignition Temp	No Data Available
Solubility	Miscible in water °C
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No Data Available
Potential for Dust Explosion	Product is a liquid
Fast or Intensely Burning Characteristics	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

### 10. STABILITY AND REACTIVITY

Chemical Stability	Product is stable under normal conditions of use, storage and temperature. Avoid generation of mists and aerosols.
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Conditions to Avoid	Avoid excessive heat, direct sunlight and sources of ignition. Avoid generation of mists and aerosols. Take steps to prevent electrostatic discharge.
Materials to Avoid	Reacts with acids. Incompatible with acids.
Hazardous Decomposition Products	May evolve Oxides of carbon. Oxides of sodium.
Hazardous Polymerisation	Hazardous polymerisation will not occur

## 11. TOXICOLOGICAL INFORMATION

General Information	No LD50 data available for the product.
Eye Irritant	Eye contact may cause irritation, stinging, burning, reddening and watering. Delayed treatment may cause permanent damage. Repeated or prolonged exposure may cause permanent damage. An eye irritant.
Ingestion	No adverse effects expected, however, large amounts may cause nausea and vomiting. May cause irritation to the mouth, throat and digestive tract.
Inhalation	Breathing in mists or aerosols may produce respiratory irritation.
Skin Irritant	Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to irritant contact dermatitis
Carcinogen Category	No Data Available

## 12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological information available for this product.
Persistence/Degradability	No information available on persistence/degradability for this product.
Mobility	No information available on mobility for this product.
Environmental Fate	Discharge into the environment must be avoided. Avoid contaminating waterways.
Bioaccumulation Potential	No information available on bioaccumulation for this product.
Environmental Impact	No Data Available

## 13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. After dilution and careful neutralisation, approved liquid waste land fill site may be suitable.

## 14. TRANSPORT INFORMATION

### Land Transport (Australia)

ADG Code

Proper Shipping Name	NOT DANGEROUS GOODS
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

### Sea Transport

IMDG Code

Proper Shipping Name	NOT DANGEROUS GOODS
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

### Air Transport

IATA DGR

Proper Shipping Name	NOT DANGEROUS GOODS
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available

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Pack Group	No Data Available
Special Provision	No Data Available
<b>National Transport Commission (Australia)</b>	
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)	
Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

## 15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not scheduled

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

## 16. OTHER INFORMATION

Prepared by:	Albert Sahely.
Date of SDS preparation:	July 2017.
Date of previous issue:	May 2012
Reasons For updates:	GHS Format.

### Key / legend to abbreviations and acronyms used in the SDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
Atm	Atmosphere
CAS	Chemical Abstracts Service (Registry Number)
cm <sup>2</sup>	Square Centimetres
CO <sub>2</sub>	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	Degrees Celsius
g	Grams
g/cm <sup>3</sup>	Grams per Cubic Centimetre
g/L	Grams per Litre
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
Immiscible	Liquids are insoluble in each other.
inHg	Inch of Mercury
inH <sub>2</sub> O	Inch of Water
K	Kelvin
Kg	Kilogram
kg/m <sup>3</sup>	Kilograms per Cubic Metre
lb	Pound
LC <sub>50</sub>	LC stands for lethal concentration. LC <sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD <sub>50</sub>	LD stands for Lethal Dose. LD <sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L	Litre
m <sup>3</sup>	Cubic Metre
mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 Hours
mg/kg	Milligrams per Kilogram
mg/m <sup>3</sup>	Milligrams per Cubic Metre
Misc or Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm	Millimetre
mmH <sub>2</sub> O	Millimetres of Water
mPa.s	Millipascals per Second
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organisation for Economic Co-operation and Development
PEL	Permissible Exposure Limit
Pa	Pascal
Ppb	Parts per Billion
Ppm	Parts per Million
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

## 16. END OF SDS