

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Laundry Powder Economy (Lemon)  
**Recommended Use:** Washing clothes  
**Supplier:** Midland Chemicals  
**ABN:** 91 622 018 986  
**Street Address:** 18 Elliott Street  
Midvale  
Western Australia  
**Telephone Number:** +61 08 9274 1992  
**Facsimile:** +61 08 9250 1710  
**Emergency Telephone:** 1 800 033 111 (ALL HOURS)

## 2. HAZARDS IDENTIFICATION

**Road and Rail;** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

### Globally Harmonised System

#### Hazard Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

#### Hazard Categories

Skin Corrosion/Irritation – Category 2  
Serious Eye Damage/Irritation - Category 1

#### Pictogram



#### Name of pictogram

Corrosive

#### Signal Word

DANGER

#### Hazard Statements

H335 May cause respiratory irritation

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H315 Causes skin irritation  
H318 Causes serious eye damage/irritation

## Precautionary Statement

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.

## Prevention

P261 + P271 Avoid breathing dust. Use outdoors or in well ventilated area.  
P264 + P280 Wash hands thoroughly after use. Wear protective gloves.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

## Response

P304 + P340 IF INHALED: remove victim to fresh air & keep at rest in a position comfortable for breathing.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P321 Specific treatment (see First Aid on safety data sheet).  
P332 + P313 If skin irritation occurs: get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P305 + P351 + P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and if easy to do.  
P310 Immediately call a POISON CENTER or doctor/physician.

## Storage

P403 + P233 + P405 Store in a well-ventilated place. Keep container tightly closed. Store locked up.

## Disposal

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

**Poisons Schedule:** S5

## IMPORTANT:

This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.

When diluted to 20% or less they no longer apply.

However, good hygiene and housekeeping practices should be adhered to.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Sodium Carbonate	497-19-8	<80%
Sodium Percarbonate	15630-89-4	1 -5%
Sodium Metasilicate	10213-79-3	5 - 10%
Dodecylbenzene Sulphonic Acid	27176-87-0	1 - 5%
Fatty Alcohol Alkoxylate	103818-93-5	<1%
Ingredients determined not to be hazardous including water.		Up to 100%

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## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once.

Ensure there is access to eye washes and safety showers.

<b>Ingestion:</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek urgent medical advice (e.g. doctor).
<b>Eye Contact:</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek urgent medical advice (e.g. ophthalmologist) if symptoms persist.
<b>Skin Contact:</b>	Wash skin with plenty of water. Seek medical advice (e.g. doctor) if irritation, burning or redness develops. Seek medical advice (e.g. doctor).
<b>Inhalation:</b>	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur
<b>Medical attention and special treatment:</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use an extinguishing media suitable for surrounding fires.
<b>Hazardous combustion products:</b>	Non combustible. Non Flammable.
<b>Precautions for fire fighters and special protective equipment:</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. Move people from immediate area; keep upwind. Avoid inhalation, ingestion and contact with skin and eyes.
<b>Protective equipment:</b>	Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination.
<b>Emergency procedures:</b>	Stop leak if safe to do so. Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses.
<b>Environmental Precautions:</b>	Prevent entry into drains and waterways. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods and materials for Containment and clean up:</b>	Collect material (sweep or vacuum up) and place it in suitable, properly labelled containers for recovery/recycling or disposal

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## 7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

<b>Conditions for safe storage:</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use. Protect from moisture/humidity. Avoid extreme heat. Keep away from foodstuffs and incompatible materials (see SECTION 10).
<b>Precautions for safe handling:</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Avoid extreme heat and contact with incompatible materials (see SECTION 10).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure control measures:</b>	No value assigned for this specific material by Safe Work Australia. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> , measured as inhalable dust). No Data Available
<b>Biological Monitoring</b>	No Information Available
<b>Engineering Controls</b>	Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits.
<b>Personal Protective Equipment</b>	
<b>Eye and Face</b>	Wear appropriate eye protection to prevent eye contact. Recommended: Chemical safety goggles.
<b>Skin</b>	Handle with gloves. Recommended: Impervious gloves, e.g. neoprene, natural rubber. Wear appropriate personal protective clothing to avoid skin contact. Recommended: Long sleeved protective clothing; Overalls or dust-impervious protective suit; Apron (rubber or plastic); Safety shoes or boots (rubber or plastic).
<b>Respiratory</b>	Wear respiratory protection in case of inadequate ventilation or an inhalation risk exists. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716).
<b>Work Hygienic Practices</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Take off contaminated clothing and wash before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid - Powder/granules

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<b>Colour:</b>	Pale Yellow/white
<b>Auto Ignition temperature:</b>	No Data Available
<b>Decomposition Temperature:</b>	No Data Available
<b>Evaporation Rate:</b>	No Data Available
<b>Flammability:</b>	Not Flammable
<b>Flash Point:</b>	No Data Available
<b>Initial Boiling Point:</b>	No Data Available
<b>Melting Point:</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Odour:</b>	Lemon
<b>Odour Threshold:</b>	No Data Available
<b>Partition coefficient: n-octanol/water</b>	No Data Available
<b>pH:</b>	11.7 @10% solution
<b>Relative Density:</b>	No Data Available
<b>Solubility:</b>	Miscible in water
<b>Upper Flammability Limit</b>	No Data Available
<b>Lower Flammability Limit:</b>	No Data Available
<b>Explosive limits:</b>	No Data Available
<b>Vapour density:</b>	No Data Available
<b>Vapour pressure;</b>	No Data Available
<b>Viscosity:</b>	No Data Available
<b>Biopersistence:</b>	No Data Available
<b>Crystallinity:</b>	No Data Available
<b>Dustiness:</b>	No Data Available
<b>Particle size:</b>	No Data Available
<b>Redox potential:</b>	No Data Available
<b>Release of invisible flammable vapours and gases</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available

## 10. STABILITY AND REACTIVITY

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<b>Chemical stability:</b>	This product is unlikely to react under normal storage conditions. Mixing of acid and sodium carbonate solutions could cause carbon dioxide evolution. Avoid contact with heat or heat sources. Acids.
<b>Conditions to avoid:</b>	
<b>Incompatible materials:</b>	Incompatible/reactive with aluminium, fluorine, acids, sulfuric acid, magnesium, iron, zinc, phosphorus pentoxide
<b>Hazardous decomposition products:</b>	Fire/thermal decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon dioxide.
<b>Hazardous reactions or Polymerisation:</b>	The product will not undergo polymerisation reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Exposure Limits:</b>	No value assigned for this specific material by Safe Work Australia. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> , measured as inhalable dust).
<b>Ingestion:</b>	In case of ingestion, may cause severe irritation, nausea, abdominal pain, vomiting, diarrhoea.
<b>Eye contact:</b>	Causes serious eye irritation; may cause redness, lachrymation, swelling.
<b>Skin contact:</b>	Prolonged contact may cause skin corrosion/irritation.
<b>Inhalation:</b>	- STOT (single exposure): In case of inhalation at high concentrations, may cause cough, nose, throat and lung irritation. - STOT (repeated exposure): Carbonate ions are neutralised under physiological conditions to form bicarbonate ions and/or carbon dioxide, which are major products of all human metabolic activities; therefore, systemic toxicity is not expected. Risk of sore throat, nose bleeds in case of repeated or prolonged inhalation exposure. - Aspiration toxicity: No information available.
<b>Acute Toxicity:</b>	Low acute toxicity following oral, dermal and inhalation exposure. In case of ingestion, may cause severe irritation, nausea, abdominal pain, vomiting, diarrhoea.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Aquatic toxicity: - LC50, Freshwater fish ( <i>Lepomis macrochirus</i> ): 300 mg/L (96 h). - EC50, Freshwater invertebrates ( <i>Ceriodaphnia cf. dubia</i> ): 200 mg/L (48 h) [semi-static].
<b>Persistence and degradability</b>	Sodium carbonate is an inorganic substance. In the presence of water, it will fully dissociate to sodium and carbonate ions which will disperse in the various media.

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Sodium percarbonate dissociates in water into hydrogen peroxide and sodium carbonate.  
Sodium Metasilicate: No information available  
Dodecylbenzene Sulphonic Acid: partially biodegradable.  
Fatty Alcohol Alkoxylate: No information available on persistence/degradability for this product  
**Bioaccumulative potential** Sodium Carbonate does not bioaccumulate. The substance dissociates fully on introduction to water. Log Po/w is not applicable for an inorganic compound which dissociates.  
Sodium percarbonate: Both sodium carbonate and hydrogen peroxide are inorganic chemicals which do not bioaccumulate.  
Sodium Metasilicate: No information available

**Mobility** Soluble in water.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** 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. Or refilled at Big Bubble in Midvale.

## 14. TRANSPORT INFORMATION

**Road and Rail Transport** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**UN number:** N/A  
**Proper shipping name;** N/A  
**DG Class** N/A  
**Packing group** N/A  
**Environmental hazards for transport purposes** N/A  
**Special Precaution for user** N/A  
**Hazchem** N/A

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

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**Poisons Schedule:** Not scheduled



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## 16. OTHER INFORMATION

Revision date: 28/05/2020

Reason for issue: Update SDS

Key/Legend:

< 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 Celcius

**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

**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

**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

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**ppm** Parts per Million<sup>[1][2]</sup>  
**ppm/2h** Parts per Million per 2 Hours<sup>[1][2]</sup>  
**ppm/6h** Parts per Million per 6 Hours<sup>[1][2]</sup>  
**psi** Pounds per Square Inch<sup>[1][2]</sup>  
**R** Ranking<sup>[1][2]</sup>  
**RCP** Reciprocal Calculation Procedure  
**STEL** Short Term Exposure Limit  
**TLV** Threshold Limit Value<sup>[1][2]</sup> the Tonne<sup>[1][2]</sup>  
**TWA** Time Weighted Average  
**ug/24H** Micrograms per 24 Hours  
**UN** United Nations  
**wt** Weight

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.