

SAFETY DATA SHEET

1. Product and Company Identification

Company Name: Sierra Aust Pty Ltd
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Product Name: Safety Parts Wash Powder (Turbo Wash)
Product Code: 4678, 4680
Intended Use: Parts Cleaning, degreasing
Chemical Nature: Mixture - Powder

2. Hazards Identification

Hazardous Chemical according to classification by Safe Work Australia
Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

GHS Classification: Skin Corrosion/Irritation Cat 1A

GHS Signal Word: Danger



Hazard Statement: H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

Precautionary Statements:

General: 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.

Preventative: P260 Do not breathe dusts or mists
P264 Wash thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection
P281 Use personal protective equipment as required.

Response: P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse.
Rinse skin with water /shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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 or doctor/physician
P363 Wash contaminated clothing before reuse

Storage: PP403 + P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.

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

3. Composition / Information on Ingredients

Ingredients Names and Proportions

Chemical Entity	Cas Number	Proportion(%)
Sodium Hydroxide	1310-73-2	<10
Sodium Metasilicate	10213-79-3	30-50
Sodium Gluconate	527-07-1	20-30
Ingredients not classified as hazardous		balance

4. First aid Measures

Description of necessary first aid measures

Inhalation:	Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact:	DO NOT DELAY. If spilt on skin or hair, immediately drench with running water and remove contaminated clothing. Continue to wash skin and hair with plenty of water until advised to stop by the Poisons Information Centre / doctor. For skin burns, cover loosely with a clean, dry, sterile dressing until medical help is available.
Eye Contact:	DO NOT DELAY. If in eyes, hold eyes open, flood with water for at least 15 minutes or until advised by the Poisons Information Centre / doctor.
Ingestion:	DO NOT DELAY. Do NOT induce vomiting. If victim is alert, rinse mouth and drink 1/2 to 1 glass of water to help dilute the material. Seek immediate medical assistance.

Symptoms caused by exposure

Inhalation:	May cause respiratory irritation, including breathing difficulty, lung inflammation, sneezing and throat swelling.
Skin:	A severe irritant. May include burning sensation, redness, swelling and/or blisters.
Eye:	A severe irritant. Corrosive to eyes; contact can cause corneal burns. May include pain or burning sensation, redness, swelling and/or blurred vision.
Ingestion:	May result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Medical attention and special treatment

Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing equipment

Not combustible, however, if material is involved in a fire use: water fog or fine water spray, foam, dry chemical powder, carbon dioxide.

Specific hazards arising from the chemical

Reacts violently with water. Decomposes on heating emitting toxic fumes.

Special protective equipment and precautions for fire fighters

Wear full protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Wear protective equipment to prevent skin and eye contact and breathing dust.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and cleaning up

Avoid generating dust. Caution – heat may be evolved on contact with water. Take up mechanically and contain in original container.

7. Handling and Storage

Precautions for safe handling

Non-combustible material. Avoid skin and eye contact and breathing dust. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Keep away from incompatible materials (see SECTION 10).

8. Exposure Controls and Personal Protection

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia - Sodium hydroxide: 2mg/m³ (peak limitation) STEL

Sodium Gluconate: TEEL-0 (0.6ppm), TEEL-1 (2 ppm), TEEL-2 (15ppm), TEEL-3 (75ppm)

Sodium hydroxide: 2mg/m³ (peak limitation) STEL

Biological monitoring

No biological limit allocated.

Engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual Protection Measures

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory protection:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.

9. Physical and Chemical Properties

Appearance:	White Solid Powder
Odour:	None
Odour threshold (ppm):	Data not available
pH:	12.7 (10% solution in water)
Flash point (°C):	Data not available
Flammability:	Non-combustible
Density (g/ml @ 20°C):	2.13
Solubility (kg/m ³):	Miscible with water
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm ² /s @ 25°C):	Data not available

10. Stability and Reactivity

Reactivity: Stable under normal conditions of use
Chemical Stability: Stable under normal conditions of use
Possible Hazardous reactions: Stable under normal conditions of use
Conditions to avoid: Exposure to water vapour
Incompatible materials: Acids, aluminium, zinc, copper and chlorinated hydrocarbons.
Hazardous Decomposition products: None

11. Toxicological Information

Acute toxicity:	Sodium Gluconate: Oral (Rat) LD50: >2000 mg/kg Sodium Metasilicate: Oral (Rat) LD50: 847mg/kg
Skin corrosion/irritation:	Contact with skin will result in severe irritation. Corrosive to skin – may cause burns.
Serious eye damage/irritation:	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Respiratory or skin sensitisation:	Data not available.
Germ cell mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive toxicity:	Not expected to impair fertility.
Specific Target Organ Toxicity (STOT) – single exposure:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available.
Aspiration hazard:	Data not available.

12. Ecological Information

Ecotoxicity

Acute toxicity:

Fish –	Expected to have low toxicity: $10 < LC/EC/IC50 \leq 100mg/l$
Aquatic invertebrate –	Expected to have low toxicity: $10 < LC/EC/IC50 \leq 100mg/l$
Algae –	Expected to have low toxicity: $10 < LC/EC/IC50 \leq 100mg/l$
Microorganisms –	Data not available

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Persistence and degradability

Data not available.

Bioaccumulative potential

Not expected to bioaccumulate significantly.

Mobility in soil

Miscible with water.

13 Disposal Considerations

This material and its container must be disposed of as hazardous waste. Ensure waste disposal conforms to local waste disposal regulations.

14. Transport Information

UN number:	3263
Proper shipping name:	Corrosive solid, basic, organic, n.o.s.
Australian Dangerous Goods class:	8
Australian Dangerous Goods packing group:	III
Hazchem code:	2X

15. Regulatory Information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	6
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	37

16. Other Information

This SDS contains only safety related information. For other information see product literature.

Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Sierra (Aust) Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.