



Material Safety Data Sheet

Classified as Hazardous according to the criteria of NOHSC

1. SUBSTANCE IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

Product Name: LAUNDRY SOAKER

Supplier: *Hy.Giene Australia Pty. Ltd*
ACN: 065 526 141
Street Address: Fact, 8 16 Macquarie Place
 Boronia 3155
 Australia

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Emergency Telephone Number: 0408 616 930

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended use: Textile bleach.
Appearance: White, odourless powder with brown specs.

Sodium percarbonate	15630-89-4	10 – 30%	R20 / 22 R38 R41
Sodium Carbonate	497-19-8	< 60%	R36
Optical Brightener (anionic) 8	27344-41-8	< 5%	R41
Proteolytic enzyme 1	9014-01-1	< 1 %	R42
Non – Hazardous components		10 – 30%	-

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

3. HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC.

Hazard Category

Xi Irritant
R-phrases(s)
 R36 / R38 Irritating to eyes and skin
 R41 Risk of serious damage to eyes

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Code (ADG Code) for transport by road or rail

Poisons Schedule (Aust) / Toxic Substance(NZ): S5.

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water. Give water to drink Do NOT induce vomiting. Seek medical assistance.

Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Seek immediate medical assistance.

Skin contact: Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.

Inhalation: Remove victim from exposure - 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. Seek medical advice if effects persist.

Notes to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Specific Hazards: Oxidising agent. Non-combustible, but will support the combustion of other material.

Fire fighting further advice: Not combustible but will support combustion of organic materials. Keep containers cool with water spray. Heating can cause decomposition leading to violent rupture of containers and the liberation of oxygen, causing combustible materials to burn more fiercely. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Cover with damp absorbent (inert material, sand or soil). Sweep up, but avoid generating dust. Collect and seal in properly labelled clean plastic containers with loose fitting lids.

7. HANDLING AND STORAGE

Storage: Store in a cool (below 40C), dry place out of direct sunlight in a well ventilated area. Store away from acids, alkalis, oxidising agents, reducing agents, rust, transition metals and their compounds, as well as organic and combustible materials. Keep containers closed at all times - check regularly for spills.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission

However, Exposure Standards for constituents:-

NOTICES CATEGORY		TWA	STEL		CARCINOGEN	
		ppm	mg/m3	ppm	mg/m3	
	Nuisance dusts	-	10	-	-	-
	Alkaline protease	-	0.06	-	-	-

As published by the National Occupational Health and Safety Commission .

TWA – the Time-Weighted Average airborne concentrations over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

The recommended hygiene standard (TWA) is the time-weighted average airborne concentration over an eight hour working day, for a five day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Engineering measures: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use with local exhaust ventilation or while wearing dust respirator/mask. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES(S), DUST MASK.

Avoid skin and eye contact and inhalation of dust. Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: White, odourless powder with granular specs.

Solubility: Soluble in water, liberating hydrogen peroxide

Specific Gravity (20C)	: 1.0
pH (1% aq soln.)	: 10.0
Solubility in water (g/L)	: Soluble

10. STABILITY AND REACTIVITY

Stability: Oxidising agent. Avoid contact with combustible material, reducing agents, metals and metal salts, acids, alkalis, amines, and decomposition catalysts.

11. TOXICOLOGICAL INFORMATION

Main symptoms: No adverse health effects expected if the product is handled in accordance with this Safety data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

Ingestion: Swallowing can result in vomiting, irritation of the gastrointestinal tract and decomposition may occur in the stomach leading to the production of oxygen gas. This may cause distension of the stomach, and the possibility of some bleeding . (1)

Eye contact: An eye irritant .

Skin contact: Contact with the skin will result in irritation.

Inhalation: Inhalation of dust may result in respiratory irritation and possible allergic reactions.

Long term effects: No information available for product.

Acute toxicity / Chronic toxicity

No LD50 data available for product.

However, for sodium percarbonate:

Oral LD50 (rat): 1900 - 3000 mg/kg, Inhalation LC50 (rat): 4.58 mg/m3.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority.

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 or rail.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Hazardous according to criteria of NOHSC

Hazard Category

Xi Irritant

R-phrases(s)

R36 Irritating to eyes and skin

R41 Risk of serious damage to eyes.

S-phrase(s)

S24/25 Avoid contact with the skin and eyes.

S22 Do not breathe dust.

Poisons Schedule (Aust) / Toxic Substance (NZ):: S5

16. OTHER INFORMATION

(1) Supplier Safety Data Sheet – Sodium percarbonate Form 2147– Redox Pty Ltd.
This Material Safety Data sheet has been prepared by Hy.Giene Australia Pty Ltd
This MSDS summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. As each workplace is different each user must, prior to use, review this MSDS in the context of how the user intends to handle and use the product in the workplace.
If clarification of further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.