

## 1. Identification of the material and supplier

### Names

Product Name:	SpotLess
ADG:	Sodium Hypochlorite solution
Supplier:	Theodist Limited P.O Box 1618 Boroko, NCD Phone: 313 9800 Fax: 325 0302
Emergency Telephone Number:	313 9800

### Uses

Material Uses:	Household Laundry Bleach
Date:	September 1st 2023

## 2. Hazardous identification

### Hazard Classification of Substance or Mixture

Statement of Hazardous/ Dangerous Nature :	Classified as hazardous according to the criteria of NOHSC and classified as dangerous goods according to the ADG Code
Hazard	Corrosive
<u>Health Hazard</u>	
Skin corrosion/irritation	Category 1A
Serious eye damage/eye irritation	Category 1

### GHS Label Elements

<u>Signal Word</u>	DANGER
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### Hazard Pictograms



### Hazard Statements

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

### Prevention Precautionary Statements

P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.
P280	Wear suitable protective gloves and eye protection/face protection.

#### Precautionary Response statements:

P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing

#### Storage Statements

P405	Store locked up
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#### Disposal Statements

P501	Dispose of contents/ container to an approved waste disposal plant
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#### Other Hazards

Not Known

### 3. Composition/information on ingredients

Ingredient Name	CAS number	% by weight
Sodium Hypochlorite 4% solution	7681-52-9	4

Other ingredients, determined not to be hazardous according to NOHSC criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

### 4. First aid measures

#### **First aid measures**

Eye Contact:	Flush thoroughly with cold running water, including under eyelids for at least 20 minutes. In all case of eye contamination, it is a sensible precaution to seek medical attention.
Skin Contact:	Wash affected areas with copious quantities of water immediately. If swelling, redness, blistering or irritation occurs seek medical advice. Remove contaminated clothing and wash before reuse.
Inhalation:	Remove from exposure to fresh air. Restore breathing and administer oxygen if Required. If breathing has stopped, apply artificial respiration at once. For all but the most minor symptoms arrange for patients to be seen by a doctor as soon as possible either on site or at the nearest hospital.
Ingestion:	<b>Do not induce vomiting.</b> If conscious, immediately give victim large quantities of milk or water. If vomiting occurs give further water to achieve effective dilution. Never give anything by mouth to an unconscious or convulsing person. Seek medical attention or contact a Poisons Information Center.
Advice to doctor:	Treat symptomatically.

### 5. Fire-fighting measures

Extinguishing media:	Use extinguisher suitable for surrounding fire.
Fire/Explosion Hazards:	Non flammable
Special Protective equipment for fire-fighter:	Fire fighters should wear appropriate protective equipment and Self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

Personal Precautions:	Keep unnecessary personnel away. Use suitable protective equipment. (see section 8)
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up:	If emergency personnel are unavailable, contain spilled material. <b>For small spills:</b> flush to sewer as a greatly diluted solution. <b>For large spills:</b> dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

**Note: see section 8 for personnel protective equipment and section 13 for waste disposal.**

## 7. Handling and Storage

Handling:	Avoid contact with skin and eyes.
Storage:	Store in properly designed and marked storage tanks. Keep container tightly closed. Keep container in a cool, well ventilated area away from direct sunlight. Store away from organic materials. Store away from sources of heat ignition. Not to be loaded with class 1, 4.3, 5.2, 6, 7, foodstuff and / or class 8 Acids.

## 8. Exposure controls/personal protection

Exposure standard:	Not assigned by Worksafe Australia. Decomposition product, chlorine TLV: 3mg/m <sup>3</sup> , 1ppm, peak, Worksafe Australia. Peak limitation is the concentration that should not be exceeded even instantaneously.
Engineering measures:	Use with adequate ventilation.
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal Protection

Eye:	Safety glasses, goggles or face-shield as appropriate.
Hands:	Use plastic or rubber gloves
Respiratory:	Combination particulate/gas respirator, class B, where mist is a problem.
Skin:	Wear synthetic apron or other protective equipment as necessary to prevent skin contact.

Physical state:	Liquid
Colour:	Yellow to green
Odour:	Chlorine odour
Boiling point :	Not available
Melting point:	Not available
Specific gravity:	1.050 -1.080 (Water = 1.000)
Flash point:	Not applicable
Vapour density:	Not available
pH:	12 -13 (100%)
Solubility:	Easily soluble in hot, cold water.

Stability:	The product is stable under normal ambient conditions of temperature and pressure.
Conditions to Avoid:	Direct sunlight and heat.
Materials to Avoid	Acids, amines, ammonium salts, azidine, methanol and phenylacetonitrile. Reacts with metals, peroxides and reducing agents.
Hazardous Decomposition Products:	Hydrogen chloride.
Hazardous Reactions:	Reacts dangerously with acids producing dangerous levels of chlorine gases.

<b>Potential acute health effects</b>	
Inhalation:	The vapour is an irritant to the mucous membranes and respiratory tract. High concentrations of vapour can cause severe irritation to the respiratory tract.
Ingestion:	Ingestion can cause nausea and vomiting.
Skin contact:	Harmful in contact with skin.
Eye contact:	A severe eye irritant. Liquid will cause burns. High concentrate of vapour will cause irritation
Carcinogenicity:	Not available
Mutagenicity:	Not available
Reproductive Toxicity:	Not available

<b>12. Ecological information</b>	
Ecotoxicity data:	Not available
Persistence/degradability:	Not available
Mobility:	Not available
Other adverse effects:	Not available

### 13. Disposal considerations

Methods of disposal: Do not reuse product containers. The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solution and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of via a licensed waste disposal contractor.

### 14. Transport information

Proper Shipping Name	Regulation	UN number	Class	Packing Grp	Additional Info.
Hypochlorite Solution	ADG	1791	8	III	Corrosive
Hypochlorite Solution	IMDG	1791	8	III	Corrosive

### 15. Regulatory information

Australian Inventory status: All substances are listed on AICS or exempt.

AU Classification: Hazardous (Corrosive)

#### Standard for the Uniform Scheduling of Drugs and Poisons

Schedule:

#### Control of Scheduled Carcinogenic Substances

Ingredient Name	Schedule
No listed substance	

### 16. Other information

Prepared by: Regulatory Affairs

Date of Previous Issue: 15th August 2022

Change made: New format

References:

- ADG Code - Australian Transport of Dangerous Goods
- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
- Approved Criteria for Classifying Hazardous Substances
- List of Designated hazardous Substances
- National Code of Practice for the Labelling of workplace Substances
- National code of Practice for the Preparation of material Safety data Sheets
- National Model regulations for the Control of Scheduled Carcinogenic Substances
- National model Regulations for the Control of Workplace Hazardous Substances
- Standard for the Uniform Scheduling of Drugs and Poisons

The information herein is to the best of our knowledge meant to describe safety requirements of our product and should not be construed as guaranteeing specific properties. No warranty expressed or implied is made as to its accuracy, reliability or completeness. Since we cannot anticipate or control the many conditions under which this information and our products may be used, each user should review these recommendations in the specific context of the intended application whether they are appropriate.