



# Material Safety Data Sheet

## DESTAIN

### 1. Identification of the material and supplier

PRODUCT NAME: DESTAIN  
OTHER NAMES: Sodium Hypochlorite  
RECOMMENDED USE: Chlorine Laundry Bleach

COMPANY: Cleveland Cleaning Supplies  
ABN: 61 001 175 748  
ADDRESS: 23 Forrester street  
Kingsgrove NSW 2208  
Australia

BUSINESS TELEPHONE: (02) 9503 0100  
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POISONS INFORMATION CENTRE PHONE 13 11 26  
FOR EMERGENCY RESPONSE: 000

### 2. Hazards identification

DANGEROUS GOODS	HAZARDOUS SUBSTANCE
RISK PHASES	C Corrosive R31 Contact with acids liberates toxic gas. R34 Causes burns
SAFETY PHASES	S1/2 Keep locked up and out of reach of children S28 After contact with skin, wash immediately with plenty of water. S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible) S50 Do not mix with other chemicals or other types of chlorinating substances.

### 3. Composition/ information on ingredients

<u>NAME</u>	<u>CAS</u>	<u>PROPORTION</u>
SODIUM HYPOCHLORITE	7681-52-9	10-13%

The ingredients below are **not** considered hazardous or dangerous goods according to the criteria of NOHSC /ASCC and ADG code (respectively) at the levels used in this product.

WATER	7732-18-5	87-90%
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### 4. First Aid measures

SWALLOWED Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. If swallowed DO NOT induce vomiting. For advice contact a Poisons information Centre Phone Australia 13 1126 or a doctor.

EYE Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Obtain medical attention immediately.

SKIN If skin or hair contact occurs, remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water for at least 15 minutes, by the clock. If irritation persists, repeat flushing. Obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before re-use, or discard.

INHALED If symptoms are experienced, such as cough, dry throat, difficulty in breathing, nasal congestion and headaches or dizziness remove source of contamination or move victim to fresh air. Obtain medical attention immediately.

FIRST AID FACILITIES Ensure eyewash and safety shower facilities are available in workplace.



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### Additional information / Aggravated medical conditions

No known effect

### 5. Fire fighting measures

#### Suitable extinguishing media

NON FLAMMABLE

May generate toxic gas when heated in a fire.

#### Large fire

-Use water spray and fog

-Fight fire from protected position or use unmanned hose holders or monitor nozzles.

-If safe to do so, move undamaged containers from fire area – Do not approach hot containers

-Cool containers with water before handling

-If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

#### Special protective precautions and equipment for fire fighters

Wear SCBA and protective gloves. Structural fire-fighters uniform provides limited protection. If large amounts are involved wear SCBA and chemical splash suit.

#### HAZCHEM CODE

2X

### 6. Accidental release measures

Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Ventilate the area. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.

**Disposal:** review federal, state and local government requirements prior to disposal.

### 7. Handling and storage

#### STORAGE INCOMPATIBILITY

Avoid storage with Acids or other chemicals. Toxic chlorine gas may be emitted when mixed with acids. Corrosive to soft metals such as aluminium and zinc. Do NOT store or transport in unlined metal containers.

Incompatible with acids, oxidising substances and substances containing nitrogen

#### STORAGE REQUIREMENTS

Keep out of reach of children

Keep locked up

Store in a cool, dry, well ventilated area in an upright position out of direct sunlight

Store away from incompatible materials.

Avoid storage at temperatures higher than 30°C

Protect containers against physical damage and check regularly for leaks

### 8. Exposure controls / Personal protection

#### NATIONAL EXPOSURE STANDARDS

No exposure standards have been established for this material. Exposure standards recommended by A.S.C.C. Australia for some ingredients are as follows:

	TWA (TIME WEIGHED AVERAGE)	
	mg/m <sup>3</sup>	ppm
CHLORINE	3	1

#### ENGINEERING CONTROLS

Use in well ventilated areas.



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## DESTAIN

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PERSONAL PROTECTION	
RESPIRATOR TYPE	Where ventilation is not adequate, respiratory protection may be required. An approved dust particle half mask should be used. Respiratory protection should comply with AS/NZS 1715.
EYE PROTECTION	Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs.
GLOVE TYPE	Neoprene chemical resistant gloves provide adequate protection.
CLOTHING	Wear protective plastic or PVC apron to prevent contact with clothing.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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### 9. Physical and chemical properties

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APPEARANCE	Colour varies from colourless to pale green to light yellow liquid
ODOUR	Strong Chlorine
PH	12-13
VAPOUR PRESSURE	Not Determined
VAPOUR DENSITY	Not Determined
BOILING POINT	Approximately 100°C (for liquid concentrate) Decomposes
BOILINGRANGE	n/a
MELTING POINT	n/a
SOLUBILITY IN WATER	Miscible
SPECIFIC GRAVITY	1.2 (for liquid concentrate) water = 1.000
FLASH POINT	Non Flammable
FLAMMABILITY LIMITS	n/a

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### 10. Stability and reactivity

Stable under normal conditions of storage and use  
May emit acrid, poisonous or corrosive fumes if mixed with acids.  
On combustion, may emit toxic fumes of hydrogen chloride

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### 11. Toxicological information

#### Health effects from acute exposure

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SWALLOWED	Corrosive. Can cause damage to throat, lungs and stomach.
EYE	Corrosive and may cause severe or permanent eye damage, Concentrated solutions can cause severe irritation and corrosion injury unless washed out immediately
SKIN	Irritating to skin. Brief contact may cause redness. Repeated or prolonged contact may result in corrosion.
INHALED	Can be irritating to the nose, throat and upper respiratory tract.

#### Health effects from chronic exposure

Prolonged or repeated contact may cause dermatitis. No other specific data is available for the product for chronic exposure symptoms.

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Carcinogenicity	No known effect
Mutagenicity	No known effect
Teratogenicity	No known effect

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### 12. Ecological information

No Data

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### 13. Disposal considerations

Disposal: Review federal, state and local government requirements prior to disposal.

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### 14. Transport information

TRANSPORTATION



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UN CLASS	1791
PROPER SHIPPING NAME	Sodium Hypochlorite 12.5%
DG CLASS	8
SUBSIDIARY RISK	none allocated
PACKAGING GROUP	111
RECOMMENDED USE	Chlorine Laundry Bleach

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### 15 Regulatory information

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POISONS SCHEDULE 5

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### 16. Other information

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END OF REPORT

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