

# De-Stainer #13

## 1: Identification of the Material and Supplier

<b>Product Identifier</b>	De-Stainer #13		
<b>Other Means of Identification</b>	Sodium Hypochlorite Solution		
<b>Recommended Use</b>	Thickened bleach - removes dirt, mould, stains and kills germs		
<b>Supplier</b>	<b>Organisation</b>	<b>Location</b>	<b>Contact Information</b>
	Chemform Pty Ltd ABN: 50 008 905 119	7 Kirke St Balcatta WA 6021 Australia	Phone: (08) 9240 7444 Fax: (08) 9344 4360 E-Mail: admin@chemform.com.au Web: www.chemform.com.au
<b>Emergency Phone Number</b>	Poisons Information Centre (Australia) 13 11 26		

## 2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a non-dangerous good according to Australian Dangerous Goods Code.

**When diluted with water, at 1:8 (125mL/L) the diluted product is classified as non-hazardous.**

<b>GHS Classification</b>	Skin corrosion (category 1)
<b>Signal Word</b>	Danger
<b>Hazardous Statement(s)</b>	Causes severe skin burns and eye damage
<b>Precautionary Statement(s)</b>	<p>Wear protective gloves and eyewear. Wash hands thoroughly after handling.</p> <p>IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.</p> <p>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>Immediately call a POISON CENTRE or doctor/physician.</p> <p>Store locked up.</p> <p>Dispose of contents/container in accordance with waste disposal legislation as well as requirements by local authorities.</p> <p>Contact with acids liberates toxic gas.</p>

### 3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion
Amine oxide	1643-20-5	<10%
Available Chlorine as Sodium Hypochlorite	7681-52-9	<10%
Sodium Hydroxide	1310-73-2	<10%
Non-hazardous ingredients		To 100%

### 4: First Aid Measures

<b>General</b>	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
<b>Eyes</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
<b>Inhalation</b>	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
<b>Symptoms Caused by Exposure (Chronic)</b>	Prolonged or repeated contact may lead to dermatitis and necrosis
<b>Medical Attention and Special Treatment</b>	Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result

### 5: Fire Fighting Measures

<b>Suitable Extinguishing Equipment</b>	Not combustible however if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
<b>Specific Hazards Arising from the Chemical</b>	Decomposes on heating emitting toxic fumes, including those of chlorine.
<b>Special Protective Equipment and Precautions for Fire Fighters</b>	Wear self-contained breathing apparatus and suitable protective clothing if risk exposure to products of decomposition.
<b>Hazchem Code</b>	None allocated.

## 6: Accidental Release Measures

<b>Personal Precautions</b>	Evacuate all personnel. Use suitable protective equipment.	
<b>Environmental Precautions</b>	Seek disposal options by a licensed waste contractor.	
<b>Spills and Disposal</b>	<b>Small Spills</b> Very small spills can be diluted with water and washed away.	<b>Large Spills</b> Wear personal protective equipment – chemical goggles, face shield, impervious clothing (eg PVC suits), PVC, nitrile or rubber gloves and boots. Use sand only to absorb spill. Shovel up and collect and seal in properly labeled drums. Residues may be washed away with water.

## 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Wash hands after use. Minimise direct contact with product. Use PPE as described in section 8.
<b>Conditions for Safe Storage</b>	Always replace lid on container after use. Store out of direct sunlight and out of the reach of children.

## 8: Exposure Controls – Personal Protection

<b>National Exposure Standards</b>	None established for the product. TWA for chlorine gas is 3.0mg/m <sup>3</sup> Sodium Hydroxide: TWA = 2 mg/m <sup>3</sup>
<b>Engineering Controls</b>	Use in open or well-ventilated areas
<b>Individual Protection</b>	
<b>Eyes/Face</b>	Safety goggles
<b>Hands</b>	Rubber or nitrile gloves
<b>Skin</b>	Apron and chemical resistant boots
<b>Respiratory</b>	If mist or sprays are produced wear a respirator

## 9: Physical and Chemical Properties

<b>Appearance</b>	Pale yellow liquid
<b>Odour</b>	Chlorine
<b>pH</b>	11.0-11.5 (1% solution)
<b>Vapour Pressure</b>	No data available
<b>Vapour Density</b>	No data available
<b>Flash Point</b>	Not applicable
<b>Flammability Limits</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Melting Point</b>	Not applicable
<b>Specific Gravity</b>	1.0 – 1.1
<b>Solubility</b>	Soluble in water

## 10: Stability and Reactivity

<b>Chemical Stability</b>	Product decomposes slowly and releases very toxic gas (chlorine) however, if stored in heat (30-50°C) its decomposition speed increases substantially
<b>Possibility of Hazardous Reaction</b>	No hazardous reaction when used and stored in accordance with label directions.
<b>Conditions to Avoid</b>	Avoid extreme heat and high temperatures.
<b>Incompatible Materials</b>	Acids and acidic products.
<b>Hazardous Decomposition Products</b>	Chlorine gas.

## 11: Toxicological Information

<b>Ingestion</b>	LD50 Oral: >5000mL/kg bw (rat) of a 4.74% solution. Consider low toxicity. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
<b>Eye</b>	Corrosive to eyes. Corrosive to eyes; contact can cause corneal burns and result in permanent injury.
<b>Skin</b>	Hypochlorite bleach, 5.25 %, was irritating in rabbits and guinea pigs under the conditions described in the study. (4hr exposure) Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.
<b>Inhalation</b>	Breathing in mists or aerosols may produce respiratory irritation. Delayed (up to 48 hours) fluid build-up in the lungs may occur.

## 12: Ecological Information

<b>Ecotoxicity</b>	TLC50 values for the different species ranged from 0.005mg/L for oyster larvaeto, P. pugio (invertebrates) and from 0.037mg/L for M. menidia for S. fuscus (vertebrates).
<b>Persistence/Degradability</b>	Hypochlorite is rapidly degraded. The surfactant is expected to be readily biodegradable according to the AS 4351 Part 2 test protocol.
<b>Bio-accumulative Potential</b>	Hypochlorite does not bioaccumulate (log Pow = -0.87 at pH 7; rapid degradation in the environment )
<b>Mobility in Soil</b>	No data available

## 13: Disposal Considerations

<b>Disposal Methods</b>	Disposal of this product and solutions of the product should at all times comply with requirements of environmental protection and waste disposal legislation as well as requirements by local authorities. Dispose of via licensed waste disposal carriers.
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## 14: Transport Information

<b>UN Number</b>	None allocated
<b>Shipping Name</b>	None allocated
<b>Class</b>	None allocated
<b>Subsidiary Risk</b>	None allocated
<b>Packing Group</b>	None allocated
<b>Special Precautions For Users</b>	Ensure all containers are clearly labelled. Keep containers securely sealed, ensure all caps are vented and stored in a cool well ventilated space.
<b>Hazchem Code</b>	None allocated
<b>IERG Number</b>	None allocated

## 15: Regulatory Information

<b>Packaging &amp; Labelling</b>	This product contains a Scheduled Poison (S5) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as not a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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## 16: Other Information

<b>Prepared By</b>	Brett Amos
<b>Date of Previous Issue</b>	January 2014
<b>Changes Made</b>	Formatted to GHS. 5/1/17 JD – updated section 2.
<b>References</b>	Australian Dangerous Goods Code Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP) Guidance on the Classification of Hazardous Chemicals Under the WHS Regulations (April 2012)
<b>Contact Person/Point</b>	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
<b>Legal Disclaimer</b>	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**END OF SAFETY DATA SHEET**