

## Material Safety Data Sheet

**PRODUCT NAME CLAX 4EL1**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** JOHNSONDIVERSEY AUSTRALIA PTY LTD  
**Address** 29 Chifley St, Smithfield, NSW, AUSTRALIA, 2164  
**Telephone** (02) 9757 0300  
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**Emergency** 1800 033 111 (24 hrs)  
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**Web Site** <http://www.johnsondiversey.com>

**Synonym(s)** HH11984 CLAX 4EL1 (INTEROX 50T) 25 KG  
**Use(s)** LAUNDRY BLEACH, OXYGEN BASED

### 2. HAZARDS IDENTIFICATION

#### CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

##### RISK PHRASES

R34 Causes burns.  
R41 Risk of serious damage to eyes.  
R8 Contact with combustible material may cause fire.

##### SAFETY PHRASES

S1/2 Keep locked up and out of reach of children.  
S28 After contact with skin, wash immediately with plenty of water.  
S3 Keep in a cool place.  
S36/39 Wear suitable protective clothing and eye/face protection.  
S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

#### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	2014	<b>Hazchem Code</b>	2P	<b>Pkg Group</b>	II
<b>DG Class</b>	5.1	<b>Subsidiary Risk(s)</b>	8	<b>EPG</b>	5E1

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
HYDROGEN PEROXIDE	H2-O2	50%	7722-84-1
NON HAZARDOUS INGREDIENTS	Not Available	50%	Not Available

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#### 4. FIRST AID MEASURES

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<b>Eye</b>	Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.
<b>Inhalation</b>	Leave area of exposure immediately. If assisting a victim avoid becoming a casualty, wear an Air-line respirator where an inhalation risk exists. Remove victim from exposure area & keep warm. If victim is not breathing apply artificial respiration & seek urgent medical attention.
<b>Skin</b>	Remove contaminated clothing and gently flush affected areas with water. Product may penetrate skin and cause severe deep burns. Seek immediate medical attention. Launder clothing before reuse.
<b>Ingestion</b>	DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.
<b>Advice to Doctor</b>	Treat symptomatically
<b>First Aid Facilities</b>	Eye wash facilities and safety shower should be available.

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#### 5. FIRE FIGHTING MEASURES

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<b>Flammability</b>	Non flammable - oxidising agent. May evolve oxygen, increasing fire intensity. Containers may explode if heated. May ignite combustible materials.
<b>Fire and Explosion</b>	Non flammable - potentially explosive - fire promoting oxidising agent. May ignite in contact with incompatible materials. Containers may explode in fire. Evacuate area and contact emergency services. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers
<b>Extinguishing</b>	Water spray or fog, for large quantities. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
<b>Hazchem Code</b>	2P

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#### 6. ACCIDENTAL RELEASE MEASURES

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<b>Spillage</b>	If spilt (bulk) wear PVC/nitrile/rubber gloves, an Air-line respirator (where an inhalation risk exists) and coveralls. Ventilate area and collect where possible. Cover with vermiculite or similar (not organic or combustible materials) and place in sealable containers for disposal. Small amounts may be flushed with excess water to sewer.
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#### 7. STORAGE AND HANDLING

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<b>Storage</b>	Store in cool, dry, well ventilated area, removed from organic materials, reducing agents, metals, metal oxides, acids, sulphides, heat/ ignition sources and foodstuffs. Contamination with incompatibles may cause fires/ explosions. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.
<b>Handling</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

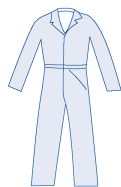
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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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<b>Ventilation</b>	Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.
<b>Exposure Standards</b>	HYDROGEN PEROXIDE (7722-84-1) ES-TWA: 1 ppm (1.4 mg/m <sup>3</sup> ) WES-TWA: 1 ppm (1.4 mg/m <sup>3</sup> )
<b>PPE</b>	Wear a faceshield, splash-proof goggles, coveralls and rubber or PVC gloves. Where an inhalation risk exists, wear an Air-line respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	CLEAR COLOURLESS LIQUID	<b>Solubility (water):</b>	SOLUBLE
<b>Odour:</b>	SLIGHTLY SHARP IRRITATING ODOUR	<b>Specific Gravity:</b>	1.20
<b>pH:</b>	< 3	<b>% Volatiles:</b>	NOT AVAILABLE
<b>Vapour Pressure:</b>	10 mm Hg @ 20 C	<b>Flammability:</b>	NON FLAMMABLE
<b>Vapour Density:</b>	NOT AVAILABLE	<b>Flash Point:</b>	NOT RELEVANT
<b>Boiling Point:</b>	114 C	<b>Upper Explosion Limit:</b>	NOT RELEVANT
<b>Melting Point:</b>	-52 C	<b>Lower Explosion Limit:</b>	NOT RELEVANT
<b>Evaporation Rate:</b>	NOT AVAILABLE	<b>Autoignition Temperature:</b>	NOT AVAILABLE
<b>Exposure Standard:</b>	1 ppm Hydrogen peroxide		

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Oxidising agent. Incompatible with most metals (eg aluminum oxides) metal oxides, reducing agents (eg hydrazine hydride), sulphides and acids. May ignite organic/combustible material (eg coal and paper). May explode if heated.
<b>Decomposition Products</b>	May evolve toxic gases if heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

<b>Health Hazard Summary</b>	Use safe work practices to avoid eye or skin contact and vapour inhalation. Exposure may result in severe and permanent eye, skin and respiratory damage. Upon dilution the potential for corrosive and toxic effects will be reduced.
<b>Eye</b>	Exposure may result in pain, conjunctivitis, corneal burns and ulceration with possible permanent damage. Effects may be delayed.
<b>Inhalation</b>	Over exposure may result in mucous membrane irritation, coughing, and later a burning sensation of the upper respiratory tract. At high levels; ulceration, breathing difficulties, chemical pneumonitis and pulmonary oedema.
<b>Skin</b>	Contact may result in itching, pain, redness, rash and dermatitis. Prolonged contact may result in burns.
<b>Ingestion</b>	Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, oedema, rapid pulse, shock, unconsciousness, convulsions and death.
<b>Toxicity Data</b>	HYDROGEN PEROXIDE (7722-84-1) LC50 (Inhalation): 2000 mg/m <sup>3</sup> /4 hours (rat) LD50 (Ingestion): 2000 mg/kg (mouse) LD50 (Skin): 1200 mg/kg (mouse)

## 12. ECOLOGICAL INFORMATION

<b>Environment</b>	Gaseous hydrogen peroxide is recognized to be a key component and product of the earth's lower atmospheric photochemical reactions, both in a clean and polluted atmosphere. Hydrogen peroxide released to the atmosphere will degrade quite rapidly. Hydrogen peroxide is not expected to accumulate in the food chain.
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## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	Absorb with double volume of 90:10 mixture of sand-soda ash mixture. Mix thoroughly. Using a plastic scoop, slowly add to a large beaker of sodium sulphite solution (3-4 litres), stirring. Neutralise with dilute sulphuric acid. Once settled, decant sulphate solution and discard of residue to an approved landfill site. Small amounts can be diluted with excess water and flushed to sewer.
<b>Legislation</b>	Dispose of in accordance with relevant local legislation.

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#### 14. TRANSPORT INFORMATION

<b>Shipping Name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION with not less than 20 % but not more than 60 % hydrogen peroxide (stabilized as necessary)				
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<b>DG Class</b>	5.1	<b>Subsidiary Risk(s)</b>	8	<b>EPG</b>	5E1

#### 15. REGULATORY INFORMATION

<b>Poison Schedule AICS</b>	Classified as a Schedule 6 (S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). All chemicals listed on the Australian Inventory of Chemical Substances (AICS).
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#### 16. OTHER INFORMATION

**Additional Information** RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

EXPOSURE STANDARDS - TIME WEIGHTED AVERAGE (TWA) or WES (WORKPLACE EXPOSURE STANDARD) (NZ): Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**ABBREVIATIONS:**

mg/m<sup>3</sup> - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Report Status**

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

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**End of Report**