

**1. Identification of Substance and Company**

Product Name:	Handy Andy Regular
Other Names:	None
HSNO Approval:	HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard 2006
Product Code:	O4580, 741065, 741072
UN Number:	Not Applicable
Hazchem Code:	1[T] (not required for signage)
Uses:	Disinfectant, Cleaning Agent

**Company Details**

Company:	Clorox New Zealand Ltd
Address:	Level 8, Building 5, Central Park 660-670 Great South Road Penrose Auckland 1061 New Zealand
Telephone Number:	0800 108 858
Emergency Telephone Number:	Poisons and Hazardous Chemicals National Information Centre. Urgent information: 0800 764 766. Working hours: 03 479 7248

**2. Hazard Identification**
**Hazard Classifications**

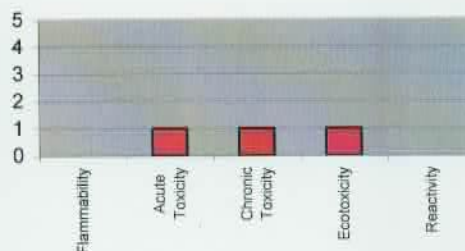
This product is a transferred substance under Hazardous Substances and New Organisms Act (HSNO). It is classified:

Classes 6.1E, 6.3B, 6.4A, 6.5B, 9.1D	Harmful by inhalation and if swallowed Skin and eye irritant Contact sensitiser Harmful to the aquatic environment
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Symbols:  
**WARNING**



Degree of hazard:


**Other classifications**

Not considered hazardous under other New Zealand legislation. Not a scheduled Poison in Australia.

**Hazard and Precautionary Phrases**

Hazard Phrases	May be harmful if swallowed Causes mild skin irritation. Causes eye irritation. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary Phrases	Keep out of reach of children. Read label before use. Wash hands thoroughly after handling. Wear eye/face protection. Avoid breathing vapours. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. Avoid release to the environment. Collect spillage.  Further precautionary statements can be found in Section 4 – First Aid.

**3. Composition/Information on Ingredients**

Chemical Entity	CAS No	Proportion
Dipentene	138-86-3	<5%
Sodium Carbonate	497-19-8	<5%
Ammonia	7664-41-7	<1%
Water	7723-18-5	>60%
Soap	N/A	<5%
Sodium Lauryl ether sulfate	9004-82-4	<5%
Sodium tripolyphosphate	7758-29-4	<5%
Linear alkyl benzenesulfonate	2211-98-5	5-15%

**4. First Aid**
*General Information*

You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (24 hr emergency service). If medical advice is needed, have product container or label at hand. Call a POISON CENTER or doctor/physician if you feel unwell.

Recommended first aid facilities      Ready access to running water.      Accessible eyewash is recommended.

*Exposure*

Swallowed:	Do NOT induce vomiting. Contact the National Poisons Centre or a Doctor immediately
Eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice.
Skin contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use.
Inhaled:	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

*Advice to Doctor*

No long term/permanent effects likely. Most likely effect is short-term irritation to skin or eyes (acute). Treat symptomatically

**5. Firefighting Measures**

Fire and explosion hazards	There are no specific risks for fire/explosion for this chemical. It is predominantly water and does not burn.
Suitable Extinguishing Substances	Water, foam.
Unsuitable extinguishing substances	None known.
Protective Equipment	Respiratory protection (to protect from smoke inhalation)
Danger caused by material, its combustion products or gases produced	Some fire decomposition products from this product may be harmful if inhaled.
Hazchem Code	1[T] (recommended - note: not a dangerous good)

**6. Accidental Release Measures**

Containment	If greater than 1000L is stored, secondary containment is required. Emergency plans to manage any potential spills must be in place. Prevent spillage from spreading or entering soil, waterways or drains.
Emergency procedures	The container size will generally prevent major spills. For small spill of liquid absorb with sand, vermiculite or similar and dispose of to an approved landfill site. If a large spill occurs: 1. Isolate area (ensure no persons inside spill area); 2. Collect spill – see below; 3. Transfer to container for disposal; 4. Dispose of according to guidelines below (Section 13)
Clean-up method	This product is not considered flammable. Large spills can be collected by absorption onto material such as sand or similar. Larger spills should be prevented from entering storm water drains or waterways. Small spills can be wiped up and placed in a suitable container for waste disposal.
Precautions	Spill site may be slippery. Wear protective footwear, overalls, gloves and safety glasses to clean-up large spills.

**7. Handling and Storage**

Storage:	Avoid storage of toxic substances with food. Store out of reach of children. Store in cool, dry, well ventilated area, removed from oxidising agents and acids. Ensure product is adequately labelled, protected from physical damage and sealed when not in use.
Handling:	Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements.



**8. Exposure Controls/Personal Protection Equipment**
*Workplace Exposure Standards*



No specific exposure standard is given for this mixture. Standards for ingredients are listed below.

NZ Workplace Exposure Standards (OSH, 2002).	Ingredient	WES- TWA	WES- STEL
	Dipentene	Data unavailable	Data unavailable
	Ammonia	25 ppm	Data unavailable
	Sodium carbonate	10mg/m <sup>3</sup>	Data unavailable
	Sodium lauryl ether sulfate	Data unavailable	Data unavailable
	Sodium tripolyphosphate	Data unavailable	Data unavailable
	Linear alkyl benzene sulfonate	Data unavailable	Data unavailable

*Engineering Controls*

Ventilation Ensure adequate natural ventilation.

*Personal Protective Equipment*

Eyes		Concentrated liquid may be discomforting to eyes – use eye protection if splashes are likely
Skin		If discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or sensitive skin), gloves may be helpful
Respiratory		Respirator is not required under normal use. Ensure adequate natural ventilation.

**9. Physical and Chemical Properties**

Appearance:	Opaque Off White liquid
Odour	Characteristic odour
PH	10.2 to 10.8
Vapour pressure	18 mmHg at 20°C
Vapour density	No data
Boiling point	Approximately 100°C
Freezing/melting point	< 0°C
Solubility	Completely soluble in water
Specific gravity or density	1.066 at 20°C
Flash point	Not applicable (does not burn)
Upper and lower flammable limits	Not applicable (does not burn)
Auto ignition temperature	Not applicable (does not burn)

**10. Stability and Reactivity**

Stability	Stable. Unlikely to react or decompose under normal conditions
Conditions to be avoided	No special precautions
Incompatible materials	Oxidising agents (eg. Peroxides), Acids (eg. Sulphuric acid)
Hazardous decomposition products	Carbon dioxide.
Hazardous reactions	No specific hazards.

11. Toxicological Information			
<i>Summary</i>			
Limited data available on the mixture. Low toxicity – Mild irritant. No adverse health effects are anticipated with normal use of this product.			
<i>Supporting Data</i>			
Oral	Acute	Low toxicity. With large doses ingestion may result in nausea, vomiting and gastrointestinal irritation. LD <sub>50</sub> for the mixture: 4,000 – 5,000 mg kg <sup>-1</sup> (oral) based on LD <sub>50</sub> (oral) rat for linear alkyl benzene sulfonates: 437 mg kg <sup>-1</sup> and LD <sub>50</sub> (oral) rat for ammonia: 350 mg/kg	
	Chronic	No chronic effects identified in relation to ingestion of product.	
Dermal	Acute	Limited data available on the mixture.	
	Chronic	No chronic effects identified specifically in relation to dermal contact with product.	
Inhaled	Acute	Low irritant. Over exposure at high levels may result in mucous membrane irritation of the upper respiratory tract and coughing.	
	Chronic	No chronic effects identified specifically in relation to inhalation of product.	
Eye		This product can be moderately irritating to the eyes. Several ingredients (sodium carbonate, sodium lauryl ether sulfate, linear alkylbenzene sulfonate) are considered eye irritants in concentrated form. Direct contact may result in lacrimation, pain, redness and conjunctivitis.	
Skin		Possibly mild irritation of the skin - Sodium Lauryl ether sulfate and linear alkylbenzene sulfonate in concentrated form are considered irritating to the skin (a mild irritant). Prolonged and repeated use may result in slight irritation.	
Sensitisation		One of the ingredients (dipentene) shows evidence of sensitisation by skin contact at higher concentration. It is possible that the substance may cause sensitisation by skin contact and therefore will be classed as 6.5B by ERMA.	
Mutagenicity		Insufficient evidence of mutagenicity for the mixture or any of its components.	
Carcinogenicity		No evidence of carcinogenicity for the mixture. One ingredient (dipentene) is classified by IARC as Group 3; not classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing.	
Reproductive		Insufficient evidence of reproductive toxicity for the mixture or any of its components	
Developmental		Insufficient evidence of developmental toxicity for the mixture or any of its components	
Systemic		Insufficient evidence of systemic toxicity for the mixture or any of its components	
Aggravation of existing conditions		Some individuals with sensitive skin or conditions such as dermatitis may experience adverse skin reactions, and would be advised to wear gloves. If symptoms persist, discontinue use.	
12. Ecological Data			
<i>Summary</i>			
Limited data available on the mixture. This product is likely to be considered harmful to aquatic organisms.			
<i>Supporting Data</i>			
Aquatic		Ammonia is harmful to aquatic life at low concentration. Toxicity in Fish: 0.25 –8.2 mg/L. It does however biodegrade relatively quickly with a t <sub>1/2</sub> of 2 days. Sodium tripolyphosphate, like other phosphates, causes rapid growth of algae in surface waters, which can starve other organism of oxygen and cause environmental problems. Dipentene (present in this product at less than 5%) is classified under HSNO as 9.1A – ecotoxic; acute toxicity < 1.0mg/L.	
Bioaccumulation		Unlikely to be bioaccumulative (degrades in water)	
Degradability		Considered rapidly degradable (degrades in water)	
Soil		Ammonia is strongly absorbed to the soil.	
Terrestrial Vertebrate		No evidence of terrestrial vertebrate toxicity for the mixture.	
Terrestrial Invertebrate		No evidence of terrestrial invertebrate toxicity for the mixture or any of its components	
Biocidal		The product is not designed as a biocide.	
13. Disposal Considerations			
Restrictions		This product should not be disposed of directly to natural waterway.	
Disposal method:		For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts (e.g. if >200L) contact emergency services. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.	
Contaminated Packaging:		Rinse containers with water before disposal. Preferably re-cycle container, otherwise send to landfill or similar	
14. Transport Information			
Transport according to NZS 5433 (Transport of Hazardous Substances on Land). There are no specific restrictions for this product (not a dangerous good).			
UN Number	Not applicable	Proper Shipping Name	Not applicable
Class(es)	Not applicable	Packing group	Not applicable
Precautions	Not applicable	HAZCHEM code	1[T] (not a dangerous good)



**15. Regulatory Information**

This product has been transferred to HSNO (transferred substance), ERMA approval code: HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2006.

*Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)*

Key workplace requirements are:	
MSDS	To be available within 10 minutes in workplaces storing > 50L.
Labelling	No removal of labels and/or decanting of product into other containers can occur.
Emergency Plan	Required if >1000L are stored in any one location.
Bunding and Secondary Containment	Required if >1000L are stored in any one location.
Signage	Required if >10000L are stored in any one location.
Approved Handler and Tracking	Not required.
Location Test Certificate	Not required.

**Other Legislation**

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health, Safety in Employment Act and Regulations, local Council Rules and Regional Council Plans.

**16. Other Information**
**Abbreviations**

Approval Code	Approval HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2006 Controls, ERMA <a href="http://www.ermanz.govt.nz">www.ermanz.govt.nz</a>
CAS Number	Unique Chemical Abstracts Service Registry Number
Ceiling	Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
Controls Matrix	List of default controls linking regulation numbers to Matrix code (e.g. T1, I16).
EC50	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)
ERMA	Environmental Risk Management Authority
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
HSNO	Hazardous Substances and New Organisms (Act and Regulations)
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
LD50	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
LC50	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)
MSDS	Material Safety Data Sheet (or Safety Data Sheet)
OSH	The Occupational Safety and Health Service of the Department of Labour (NZ)
STEL	Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded
TWA	Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours)
UEL	Upper Explosive Limit

**References**

Data	Unless otherwise stated comes from the ERMA HSNO chemical classification information database (CCID) <a href="http://www.ermanz.govt.nz/hs/compliance/chemicals.html">http://www.ermanz.govt.nz/hs/compliance/chemicals.html</a> , for specific chemicals.
Approval Code	Classifications and controls assigned for specific ingredients (consolidated gazette, 2004)
Controls Matrix	Part of the ERMA New Zealand User Guide to the HSNO Control Regulations
WES 2002	The NZ Workplace Exposure Standards Effective from 2002, published by OSH and available on their web site – <a href="http://www.osh.dol.govt.nz">www.osh.dol.govt.nz</a> .
Other References	Ingredients MSDSs, Chemidplus

**Disclaimer**

This MSDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The MSDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the MSDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications, are based on our experience, ERMA Guidelines and international classifications. This MSDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the MSDS author, email [info@datachem.co.nz](mailto:info@datachem.co.nz) or phone: (09) 940 30 80.

