

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: SALAD WASH TABLETS

1. Product and Company identification	
Product Name	SALAD WASH
Product Description	Safe Disinfectant for Food Preparation
Manufacturer/ Supplier	Hychem (Pty) Ltd
Physical address	11/13 Silverstone Crescent Kyalami Business Park Midrand
Postal Address	PO Box 5742; Rivonia; 2128
Contact Details	Emergency: 011-466 1885

2. Composition/ Information on ingredients	
Chemical Nature	3.25g White Tablet
Components contributing to the hazard	1. TRoclosene Sodium 2. Adipic Acid
Chemical or generic name of components	Not applicable
Concentration range	1. High 2. Medium
VHIGH >60%, HIGH 30-60%, MED 10-29%, LOW 1-9%, VLOW >1%	
Classification and hazard labelling	Contact with acid liberates toxic gas. On contact with moisture, NaDCC readily decomposes to Chlorine, Hypochlorous Acid & Cyanuric Acid
Major hazard	9: miscellaneous dangerous substances and articles
UN/ CAS	CAS 2893-78-9, 124-04-9
R-Phrases	R8, R22, R31, R36 /37, R50, R53

3. Hazard identification (Summary of most important hazards)	
Hazard category	9: miscellaneous dangerous substances and articles
Adverse human health affects	Harmful if swallowed. Irritating to eyes and respiratory system.
Environmental effects	Hazardous to the environment
Classification of the chemical product	Class 9

4. First Aid Measures	
Action to be avoided	Do not induce vomiting
Inhalation	Move to fresh air. If irritation persists, seek medical attention.
Skin contact	Promptly wash thoroughly with water while removing contaminated clothing. Wash any contaminated clothing well before re-use.
Eye contact	Immediately flush with plenty of clean water for at least 15 minutes. If irritation persists, seek medical attention.

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Ingestion	Immediately rinse mouth, then drink plenty of water or milk. Do not induce vomiting. Seek medical attention.
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5. Fire fighting measures	
Extinguishing media	Pressurised water or dry powder. Do not use dry fire extinguishers containing ammonium compounds.
Inappropriate distinguishing media	Remove the product if it is safe to do so, before using water for fire fighting, in order to minimise hazards from release of toxic fumes. It will often be safer to let the fire burn itself out. Where it is decided to fight the fire with water, large quantities must be used. If insufficient water is used there may be an explosion hazard associated with hot damp material. NaDCC may generate nitrogen trichloride when left under damp conditions.
Specific hazards	Product is not flammable itself, but contact with combustible material may cause fire. Product combustible if dehydrated by drying. Decomposes above 250OC with release of chlorine & other toxic fumes. A thermal decomposition can be extinguished by flooding with copious amounts of water or by isolating the decomposing material in open air and allowing it to be consumed.
Special equipment for protection	Use self contained breathing apparatus and goggles. Do not approach from leeward.

6. Accidental release measures	
Personal precautions	Any spillage's should be cleaned up as soon as possible to prevent contamination with foreign materials with which it may react, Handle spillage carefully, do not return spilled material to original container.
Environmental precautions	NaDCC is highly toxic to fish. Do not discharge into lakes, ponds, streams or public water unless in accordance with the permit of official regulations.
Methods for cleaning up recovery	If tablets are dry and uncontaminated , collect up into heavy-duty plastic bag; where possible and suitable, use material as originally intended. Wash away any residues with copious amounts of water. If tablets are contaminated they should be transferred to waste ground, spread thinly and covered with a thin layer of earth; a smell of

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	<p>chlorine will be noted until the material has degraded. Keep people, vehicles and animals away from the disposal area.</p> <p>If tablets become damp they will effervesce, evolving carbon dioxide and may decompose to give off chlorine fumes; transfer spillage to unsealed plastic bags avoiding any large masses of material within the bags and remove to waste ground for immediate treatment/disposal as above; avoid breathing fumes. Wash away residues with copious amounts of water.</p> <p>If spillage of tablets is large (more than 100Kg), place into bins lined with polythene bags and eliminate in accordance with locally valid disposal regulations</p>
Neutralisation	None required

7. Handling and storage	
Observe the usual precautionary measures for handling and storing chemicals	
Handling	<p>Avoid breathing any dust.</p> <p>Use protective equipment recommended in section 8. Wash thoroughly after handling.</p> <p>Do not eat, drink or smoke when handling this material. Avoid contact with eyes, skin & clothing.</p> <p>When handling large quantities of tablets, wear chemical resistant gloves and safety goggles.</p>
Storage	<p>Store away from all incompatibles and combustibles (see section 10). Store in a cool, dry, well ventilated place. Moisture sensitive. Avoid high humidity levels. Do not allow water to get into container.</p> <p>Keep away from fire, heat, flame & direct sunlight.</p> <p>Keep container tightly closed. Keep out of reach of children. Never store damp or contaminated material.</p>

8. Exposure controls/ Personal protection	
<u>Control Parameters</u>	
Limit values	<p>Occupational Exposure Limits (EH40/2005): Long Term Exposure Limit to Chlorine – (8 hours TWA) 0.5ppm 1.5mgm-</p> <p>Short Term Exposure Limit to Chlorine – (15 minutes) 1ppm 2.9mgm</p>
Biological standards	Refer to UN and R-Phrase numbers
Monitoring procedures	Keep container closed when not in use

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Personal protective equipment	Refer to the S-Phrase data
Protective clothing	Gloves, Respirator and Safety Goggles
Personal hygiene measures	Wash contaminated clothing before storage and re-use

9. Physical and chemical properties	
Form	Flat bevelled tablet
Colour	White
Odour	Chlorine
PH Value	Not applicable
Boiling point	Not ascertained
Flash point	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Density	Not applicable
Solubility	Soluble in water
Viscosity at 20°C	Not applicable
Specific gravity at 20°C	Not applicable

10. Stability and reactivity	
Stability and possible hazardous reactions	Product is stable
Conditions/ materials to avoid	Do not store on or near heat sources or naked flame. Avoid moisture. NaDCC decomposes at temperatures above 240OC liberating toxic gases. Contact with water liberates chlorine and with nitrogen compounds may cause explosion. Avoid organic materials, oils, grease, sawdust, reducing agents, nitrogen containing compounds, calcium hypochlorite, other oxidizers, acids, alkalis, cationic and certain non-ionic surfactants.

11. Toxicological information	
LD 50test on animals available on certain raw materials in product	
Acute Toxicity	Oral LD50 (rat) ca. 1825mg/kg Eye Irritation (rabbit) Severe irritant Rabbit dermal LD50 >20,000mg/kg
Local effects	Strong Irritant to eyes, skin and respiratory system.
Sensitisation	None known
Chronic toxicity	Not known
Long term toxicity	Not known

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12. Ecological information	
Possible environmental effects	Highly toxic to aquatic organisms
Behaviour and fate	Soluble in water, do not allow to discharge directly into waterways.
Persistence/ Biodegradability	Not known

13. Disposal considerations	
Disposal of chemical product	According to the local rules and legislation, incineration is suggested if product is dry.
Disposal of contaminated packaging	Recommended cleaning agent - water

14. Transport regulations	
Packaging group	III
UN	3077
Hazard Class	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sodium dichloroisocyanurate, anhydrous)

15. Regulatory information	
National legislation	Refer to the below Risk and Safety phrase Data
Hazard and safety information	Take usual good care
EEC hazard classification Risk phrases	R22 - Harmful if swallowed
	R31 Contact with acids liberates toxic gas
	R36/37 – Irritating to the eyes and respiratory system
	R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
EEC hazard classification Safety phrases	S7/8 – keep container tightly closed and dry
	S13 – Keep away from food, drink and animal feed
	S18 – Handle and open container with care
	S25 – Avoid contact with the eyes
	S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S41- In case of fire or explosion do not breathe fumes

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16. Additional information (e.g. special training or restrictions on the products use)

Refer to product data sheet

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.
