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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:**

PRODUCT NAME: **DEPTH CHARGE**  
MANUFACTURER: Lonza NZ Ltd  
SUPPLIER NAME: Lonza NZ Ltd  
SUPPLIER ADDRESS: 13-15 Hudson Rd, Bell Block, New Plymouth, New Zealand  
SUPPLIER PHONE: +64 6 7559234 SUPPLIER FAX: +64 6 7551174  
EMERGENCY PHONE: 0800 243 622, 0800 CHEMCALL INTERNATIONAL EMERGENCY PHONE: +64 4 917 9888  
CHEMICAL FAMILY: Cellulose Derivative USE: Thickening Agent

**2. HAZARDS IDENTIFICATION:**

Based on available data, repeated exposures are not anticipated to cause any adverse effects. Studies show that the Cellulose Derivative this product is formulated with does not degrade and therefore presents no ecological hazard to aquatic life.

**3. COMPOSITION / INFORMATION ON INGREDIENTS:**

COMMON NAME:	CAS NUMBER:	CONCENTRATION %:	HAZARD CLASSIFICATIONS:
Sodium Chloride	7647-14-5	<10%	None
Cellulose Derivative	9004-65-3	<5%	None
Inerts		<5%	None
Water	7732-18-5	Balance	None

**4. FIRST - AID MEASURES:**

EYE CONTACT: Wash product from eyes. If eyes redden or become watery take special care in washing thoroughly.  
SKIN CONTACT: Wash product from skin and clothing. No further measures are required.  
INHALATION: No first aid measures are usually required however if vapours or mists have been inhaled, & irritation has developed remove to fresh air & observe until recovered. If irritation becomes painful or persists for more than 30 minutes seek medical advice.  
INGESTION: If this product gets into mouth wash out with water. No further measures should be necessary.  
NOTES TO DOCTOR: Treat symptomatically, note the nature of the product.

**5. FIRE FIGHTING MEASURES:**

FLASHPOINT: Non flammable HAZCHEM CODE: 2 [Z]  
FLAMMABLE LIMITS: Not applicable  
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam or Water Fog.  
THERMAL DECOMPOSITION PRODUCTS: None.  
SPECIAL FIRE FIGHTING METHODS Spills may be slippery and should be cleaned up immediately.  
UNUSUAL FIRE OR EXPLOSION HAZARDS:None.

**6. ACCIDENTAL RELEASE MEASURES:**

Use appropriate protective equipment. Spills may be slippery and should be cleaned up immediately. Large spill: dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, and or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb.

**7. HANDLING AND STORAGE:**

Store in properly labelled steel or plastic vessels. This product has no UN classification. Containers should be stored closed to minimise contamination.  
No special precautions need to be observed in order to handle this product safely.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION:**

EXPOSURE LIMITS: Based on available data, repeated exposures are not anticipated to cause any significant adverse effects. Cellulose Derivative did not cause cancer and was negative in long term fertility animal studies.  
EYE PROTECTION: Chemical goggles or face shield where splash may occur.  
RESPIRATORY PROTECTION: Not normally required. Exceptions: in the case of fire or during the formation of mists or aerosols.  
PROTECTIVE CLOTHING: Not normally required. Exceptions: in the case of fire or during the formation of mists or aerosols.  
VENTILATION: General room ventilation is considered satisfactory.  
HYGIENE PRECAUTIONS: Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before re-use. Wash hands before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

APPEARANCE / STATE / ODOUR: Clear Viscous Liquid.  
BOILING POINT: 100 Deg C pH: 7-8.  
DENSITY: 1.07 at 20 Deg C SETTING POINT: Not applicable  
DECOMPOSITION TEMP: Unknown. AUTOIGNITION TEMP: Non flammable  
FLASHPOINT: Non flammable VAPOUR DENSITY: Not applicable  
EXPLOSION PROPERTIES: None. VAPOUR PRESSURE: Not applicable  
SOLUBILITY: Soluble. (Water)  
OTHER DATA: None.  
OCTANOL / WATER PARTITION COEFFICIENT: Not applicable

**10. STABILITY AND REACTIVITY:**

CONDITIONS TO AVOID: None.  
MATERIALS TO AVOID: None.  
HAZARDOUS DECOMPOSITION: None.

**11. TOXICOLOGICAL INFORMATION:**

ACUTE ORAL: This product should present no significant problems if used as intended.  
ACUTE DERMAL: This product should present no significant problems if used as intended.  
ACUTE INHALATION: This product should present no significant problems if used as intended.  
OTHER TOXICITY INFORMATION:  
Cellulose Derivative - LD50 Oral (Rat) > 10,000mg/Kg.

**12. ECOLOGICAL INFORMATION:**

Environmental Fate - The Cellulose Derivative is especially resistant to enzymes and highly resistant to micro-organisms.  
LC100 Ruminococcus flavefaciens 0.1% (wt/vol) culture metabolised the cellulose derivative, however it did not inhibit growth on cellobiose or cellulo oligosaccharides.  
Degraded by UV irradiation. Will not bioaccumulate.

**13. DISPOSAL CONSIDERATIONS:**

This product is not a hazardous material. Therefore it can be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance to all regulations.

**14. TRANSPORT INFORMATION:**

Proper Shipping Name: Not Classified as Dangerous Goods for Transport (Cellulose Derivative)  
UN Number: N/A UN Hazard Class: N/A  
Packing Group: N/A Hazchem Code: 2 [Z]  
Additional Information:

**15. REGULATORY INFORMATION:**

Cellulose Derivative - Not intended as a food additive, but is recognised as an acceptable food additive by the Food Chemicals Codex and the International Codex Alimentarius.  
Under USEPA40 CFR 180.1001, certain inert ingredients used in pesticide formulations are exempt from the requirements of a tolerance. This cellulose derivative may be used in formulations applied to growing crops or raw agricultural commodities after harvest. This Cellulose Derivative may be used in formulations applied to animals.

Not Regulated by NZ EPA.  
Exempt from ACVM Registration.

**16. OTHER INFORMATION:**

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.