

# Safety Data Sheet    CONCHELATE

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:                                **NUCLO, ORTEX, PRIVATE LABEL CONCHELATE**

Other name(s)                                EDTA Tetrasodium Salt Solution; Ethylenediaminetetraacetic acid tetrasodium salt in water; Tetrasodium EDTA Solution.

Recommended Use:                            Chelating agent, sequestering agent.

Supplier:                                        Alden Leeds, Inc., 55 Jacobus Ave.  
So. Kearny, NJ 07032 (973) 589-3544

Code:     3060

Date of Issue:                                 28 May 2015

Emergency Telephone:                        CHEMTREC 800-424-9300


## 2. HAZARDS IDENTIFICATION

The consumer variant of this product is labeled in accordance with regulations administered by the consumer product safety commission (CPSC) and the food and drug administration (FDA). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration (OSHA) applicable to this SDS differ from the labeling requirements of the CPSC and FDA, and result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Risk Phrases:                                 Harmful if swallowed. Causes burns. Risk of serious damage to eyes.

Safety Phrases:                                Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

Poisons Schedule:                            None allocated.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Risk Phrases
EDTA tetrasodium salt	64-02-8	30-60%	R22, R41
Water	7732-18-5	30-60%	-
Sodium hydroxide	1310-73-2	<2%	R35, R41
Glycine, N,N-bis(carboxymethyl)-, trisodium salt	5064-31-3	1-2%	R22, R36, R40

## 4. FIRST AID MEASURES

**Inhalation:**  
Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:**  
If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.

**Eye Contact:**  
Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.

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**Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

**Medical attention and special treatment:**

Treat symptomatically. Can cause corneal burns.

## 5. FIRE FIGHTING MEASURES

**Hazards from combustion products:**

Non-combustible material.

**Precautions for fire fighters and special protective equipment:**

Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

**Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Hazchem Code:** 2X

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency procedures:**

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

**Methods and materials for containment and clean up:**

Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

## 7. HANDLING AND STORAGE

**Conditions for safe storage:**

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store between 0°C and 35°C. Keep containers closed when not in use - check regularly for leaks.

**Precautions for safe handling:**

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Do NOT mix with sodium hypochlorite nor materials containing sodium hypochlorite.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for constituent(s):

Sodium hydroxide: Peak Limitation = 2 mg/m<sup>3</sup>

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As published by the National Occupational Health and Safety Commission.

Peak Limitation - a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

## Engineering controls:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use.

## Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Orica Personal Protection Guide No. 1, 1998: D - OVERALLS, CHEMICAL GOGGLES, FACE SHIELD, GLOVES (Long), APRON, RUBBER BOOTS.



Wear overalls, chemical goggles, face shield, elbow-length impervious gloves, splash apron or equivalent chemical impervious outer garment, and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If risk of inhalation exists, wear suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Clear Liquid
<b>Color:</b>	Yellow
<b>Odor:</b>	Slight Ammonia
<b>Solubility:</b>	Miscible with water.
<b>Specific Gravity:</b>	1.25-1.33
<b>Relative Vapour Density (air=1):</b>	Not available
<b>Vapour Pressure (20 °C):</b>	Not available
<b>Flash Point (°C):</b>	Not applicable
<b>Flammability Limits (%):</b>	Not applicable
<b>Autoignition Temperature (°C):</b>	Not applicable
<b>Boiling Point/Range (°C):</b>	107
<b>pH:</b>	13.5
<b>Viscosity:</b>	20 mPa.s @20°C
<b>Freezing Point/Range (°C):</b>	< -18

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## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Ethylene diamine tetraacetic acid, and its salts, react violently with materials containing sodium hypochlorite, producing heat.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible materials:</b>	Incompatible with strong oxidising agents, active metals, aluminium, copper, nickel, zinc, sodium hypochlorite, and materials containing sodium hypochlorite.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen.
<b>Hazardous reactions:</b>	Ethylene diamine tetraacetic acid, and its salts, react violently with materials containing sodium hypochlorite, producing heat. Reacts with aluminium liberating flammable hydrogen gas.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
<b>Eye contact:</b>	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
<b>Skin contact:</b>	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.
<b>Long Term Effects:</b>	No information available for the product. For Nitrioltriacetate, trisodium salt (NTA): In long-term animal studies in which the substance was given in high doses by feed, a carcinogenic effect was observed.

**Toxicological Data:**  
Oral LD50 (rat): >2000 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:**  
Refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor.

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## 14. TRANSPORT INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**DOT**  
DOT CLASSIFICATION: Not regulated.

**IMO/IMDG**  
IMO/IMDG CLASSIFICATION: Not regulated.

## 15. REGULATORY INFORMATION

**Classification:** This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

**Hazard Category:** Xn: Harmful  
C: Corrosive

**Risk Phrase(s):** R22: Harmful if swallowed.  
R34: Causes burns.  
R41: Risk of serious damage to eyes.

**Safety Phrase(s):** S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

## Section 16. Other information

**Product AS SOLD**  
**Hazardous Material** :  
**Information System (U.S.A.)**

Health	1
Flammability	0
Physical hazards	0

**National Fire Protection** :  
**Association (U.S.A.)**



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**Prepared by** : Regulatory Affairs

### Notice to reader

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.