

## SAFETY DATA SHEET

**3DT098**

### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 3DT098

Other means of identification : Not applicable.

Recommended use : CORROSION INHIBITOR

Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.

Company : Nalco Company  
1601 W. Diehl Road  
Naperville, Illinois 60563-1198  
USA  
TEL: (630) 305-1000

Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC

Issuing date : 07/09/2020

### Section: 2. HAZARDS IDENTIFICATION

#### GHS Classification

Corrosive to metals : Category 1  
Skin corrosion : Category 1  
Serious eye damage : Category 1

#### GHS Label element

Hazard pictograms :



Signal Word : Danger

Hazard Statements : May be corrosive to metals.  
Causes severe skin burns and eye damage.

Precautionary Statements : **Prevention:**  
Keep only in original container. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
**Storage:**  
Store in corrosive resistant container with a resistant inner liner.  
**Disposal:**

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Dispose of contents/ container to an approved waste disposal plant.

**Other hazards** : None known.

## Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration: (%)
Chlorotolyltriazole sodium salt	202420-04-0	10 - 20
Sodium Hydroxide	1310-73-2	1 - 5
Sodium Tolyltriazole	64665-57-2	1 - 5

## Section: 4. FIRST AID MEASURES

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

## Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during firefighting : Not flammable or combustible.
- Hazardous combustion products : Decomposition products may include the following materials: Carbon oxides metal oxides Hydrogen chloride
- Special protective equipment for firefighters : Use personal protective equipment.

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Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## Section: 7. HANDLING AND STORAGE

Advice on safe handling : Do not ingest. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Use only with adequate ventilation.

Conditions for safe storage : Do not store near acids. Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers.

Suitable material : Keep in properly labelled containers.

Unsuitable material : not determined

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Sodium Hydroxide	1310-73-2	Ceiling	2 mg/m <sup>3</sup>	ACGIH
		Ceiling	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z1

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

Eye protection : Safety goggles  
Face-shield

Hand protection : Wear protective gloves.  
Gloves should be discarded and replaced if there is any indication of

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degradation or chemical breakthrough.

- Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

The Personal Protective Equipment (PPE) recommendations provided above have been made in good faith based on typical expected conditions of use. PPE selection should always be completed in conjunction with a proper risk assessment and in accordance with a PPE management program.

### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : Clear to very slightly hazy, yellow to amber
- Odour : no data available
- Flash point : > 93.3 °C, Method: closed cup
- pH : 12 - 14
- Odour Threshold : no data available
- Melting point/freezing point : no data available
- Initial boiling point and boiling range : no data available
- Evaporation rate : no data available
- Flammability (solid, gas) : Not applicable.
- Upper explosion limit : no data available
- Lower explosion limit : no data available
- Vapour pressure : no data available
- Relative vapour density : no data available
- Relative density : 1.05 - 1.20,
- Density : no data available
- Water solubility : no data available
- Solubility in other solvents : no data available
- Partition coefficient: n-octanol/water : no data available
- Auto-ignition temperature : no data available
- Thermal decomposition : no data available
- Viscosity, dynamic : no data available

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Viscosity, kinematic : no data available  
Molecular weight : no data available  
VOC : no data available

### Section: 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.  
Conditions to avoid : None known.  
Incompatible materials : Strong acids  
Hazardous decomposition products : Decomposition products may include the following materials:  
Carbon oxides  
metal oxides  
Hydrogen chloride

### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

Eyes : Causes serious eye damage.  
Skin : Causes severe skin burns.  
Ingestion : Causes digestive tract burns.  
Inhalation : May cause nose, throat, and lung irritation.  
Chronic Exposure : Health injuries are not known or expected under normal use.

#### Experience with human exposure

Eye contact : Redness, Pain, Corrosion  
Skin contact : Redness, Pain, Corrosion  
Ingestion : Corrosion, Abdominal pain  
Inhalation : Respiratory irritation, Cough

#### Toxicity

#### Product

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Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Acute inhalation toxicity : no data available  
Acute dermal toxicity : no data available  
Skin corrosion/irritation : no data available  
Serious eye damage/eye irritation : no data available  
Respiratory or skin sensitization : no data available  
Carcinogenicity : no data available  
Reproductive effects : no data available  
Germ cell mutagenicity : no data available  
Teratogenicity : no data available  
STOT - single exposure : no data available  
STOT - repeated exposure : no data available  
Aspiration toxicity : no data available

## Components

Acute dermal toxicity : Chlorotolyltriazole sodium salt  
LD50: > 2,000 mg/kg

## Section: 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Environmental Effects : Harmful to aquatic life with long lasting effects.

### Product

Toxicity to fish : LC50 Pimephales promelas (fathead minnow): 52.5 mg/l  
Exposure time: 96 h  
Test substance: Product

NOEC Pimephales promelas (fathead minnow): 7.8 mg/l  
Exposure time: 96 h  
Test substance: Product

Toxicity to daphnia and other aquatic invertebrates : EC50 Ceriodaphnia dubia: 80.5 mg/l  
Exposure time: 48 h  
Test substance: Product

LC50 Ceriodaphnia dubia: 91.5 mg/l  
Exposure time: 48 h  
Test substance: Product

NOEC Ceriodaphnia dubia: 31 mg/l  
Exposure time: 48 h  
Test substance: Product

Toxicity to algae : NOEC Macrocyctis pyrifera (brown algae): 25 mg/l

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Exposure time: 48 hrs  
Test substance: Product  
Test Type: Growth

NOEC *Macrocystis pyrifera* (brown algae): 25 mg/l  
Exposure time: 48 hrs  
Test substance: Product  
Test Type: Reproduction

EC25 / IC25 *Macrocystis pyrifera* (brown algae): 56.9 mg/l  
Exposure time: 48 hrs  
Test substance: Product  
Test Type: Reproduction

EC50 *Macrocystis pyrifera* (brown algae): 71.3 mg/l  
Exposure time: 48 hrs  
Test substance: Product  
Test Type: Reproduction

EC25 / IC25 *Macrocystis pyrifera* (brown algae): 51.5 mg/l  
Exposure time: 48 hrs  
Test substance: Product  
Test Type: Growth

EC50 *Macrocystis pyrifera* (brown algae): 67.7 mg/l  
Exposure time: 48 hrs  
Test substance: Product  
Test Type: Growth

Toxicity to fish (Chronic toxicity) : NOEC: 13 mg/l  
Exposure time: 7 d  
Species: *Pimephales promelas* (fathead minnow)  
Test substance: Product

EC25 / IC25: 21.6 mg/l  
Exposure time: 7 d  
Species: *Pimephales promelas* (fathead minnow)  
Test substance: Product

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 25 mg/l  
Exposure time: 7 d  
Species: *Ceriodaphnia dubia*  
Test substance: Product

EC25 / IC25: 30.4 mg/l  
Exposure time: 7 d  
Species: *Ceriodaphnia dubia*  
Test substance: Product

## Persistence and degradability

no data available

## Mobility

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no data available

## Bioaccumulative potential

no data available

## Other information

no data available

## Section: 13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The classification or waste code may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated at the time of disposal to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

### Land transport (DOT)

Proper shipping name : CORROSIVE LIQUID, N.O.S.  
Technical name(s) : Chlorotolyltriazole sodium salt  
UN/ID No. : UN 1760  
Transport hazard class(es) : 8  
Packing group : II

### Air transport (IATA)

Proper shipping name : CORROSIVE LIQUID, N.O.S.  
Technical name(s) : Chlorotolyltriazole sodium salt  
UN/ID No. : UN 1760  
Transport hazard class(es) : 8  
Packing group : II

### Sea transport (IMDG/IMO)

Proper shipping name : CORROSIVE LIQUID, N.O.S.  
Technical name(s) : Chlorotolyltriazole sodium salt  
UN/ID No. : UN 1760  
Transport hazard class(es) : 8  
Packing group : II



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## Section: 15. REGULATORY INFORMATION

**TSCA list** : No substances are subject to a Significant New Use Rule.  
No substances are subject to TSCA 12(b) export notification requirements.

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This product does not contain a RQ substance, or this product contains a substance with a RQ, however the calculated RQ exceeds the reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Corrosive to metals  
Skin corrosion or irritation  
Serious eye damage or eye irritation

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### INTERNATIONAL CHEMICAL CONTROL LAWS :

#### United States TSCA Inventory

On the inventory, or in compliance with the inventory.

#### Australia. Industrial Chemical (Notification and Assessment) Act

not determined

#### New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand

not determined

#### Japan. ENCS - Existing and New Chemical Substances Inventory

not determined

#### Korea. Korean Existing Chemicals Inventory (KECI)

not determined

#### Philippines Inventory of Chemicals and Chemical Substances (PICCS)

not determined

#### China Inventory of Existing Chemical Substances

On the inventory, or in compliance with the inventory.

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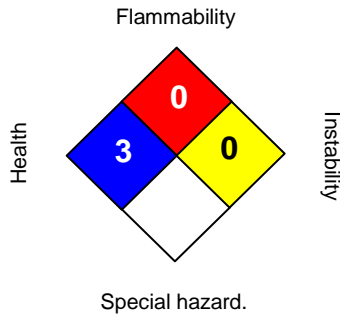
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## Canadian Domestic Substances List (DSL)

The substance(s) in this preparation are included in or exempted from the Domestic Substance List (DSL).

## Section: 16. OTHER INFORMATION

### NFPA:



### HMIS III:

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 07/09/2020  
Version Number : 1.4  
Prepared By : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. For additional copies of an SDS visit [www.nalco.com](http://www.nalco.com) and request access.