

**SECTION 1 - PRODUCT AND COMPANY INFORMATION**

Product Name: : Citrustar  
 Product Use: : Industrial Cleaner  
 Supplier Name and Address: : Corporate Facility Supply  
 7 Neilson Street  
 St. Catharines, ON L2M 5V9  
  
 Telephone: : (905) 682-8888  
 Emergency Telephone: : CANUTEC (613) 996-6666

**SECTION 2 - HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Physical State:** Liquid  
**GHS Classification:**  
 Skin Irritation: Category 1C  
 Eye Irritation: Category 1  
 Acute Toxicity: Category 4  
**GHS Label Elements:**  
 Hazard Pictograms



Signal Word: Danger  
 Hazard Statements: H302 Harmful if swallowed  
 H312 Harmful in contact with skin  
 H318 Causes serious eye damage  
 Precautionary Statements: **Prevention**  
 P102 Keep out of reach of children  
 P262 Do not get in eyes, on skin, or on clothing  
 P284 In case of inadequate ventilation wear respiratory protection  
**Response**  
 P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes  
 P305 IF IN EYES: Flush with plenty of water for at least 15 minutes  
 P332+P313 If skin irritation persists, get medical attention  
  
**Potential Health Effects:**  
 Inhalation : Strongly irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation. Similar effects with misting the product.  
 Skin : Dangerous in case of skin contact. Causes burns. Symptoms may be delayed.  
 Eyes : Contact can result in tissue damage.  
 Ingestion : Harmful or fatal if swallowed.  
 Aggravated Medical Condition : None known

Symptoms of Overexposure

: See section 11.

**SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS**

**HAZARDOUS INGREDIENTS**

Chemical Name	CAS-No.	Concentration [%]	Trade Secret
Tetrasodium ethylene diamine tetraacetate	64-02-8	1-5	*
Ethoxylated alcohols C12-15	68131-39-5	7-13	*
Sodium xylene sulfonate	1300-72-7	3-7	*
Sodium Hydroxide	1310-73-2	1-5	*

\*Exact percentage withheld as trade secret

**SECTION 4 - FIRST-AID MEASURES**

<b>General Advice</b>	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
<b>Inhalation</b>	: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.
<b>Skin Contact</b>	: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops/persists.
<b>Eye Contact</b>	: If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
<b>Ingestion</b>	: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or in convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

**SECTION 5 - FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	: Alcohol foam, carbon dioxide, dry chemical
<b>Specific hazards arising from the chemical</b>	: None known
<b>Special protective actions for fire-fighters</b>	: None
<b>Additional advice</b>	: None

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	: Wear appropriate protective equipment.
<b>Environmental precautions</b>	: Prevent entry into sewers or streams. Dike if needed. The bacteria and carriers are naturally occurring and should not pose an environmental risk.
<b>Methods and materials for containment/ cleaning up</b>	: Vacuum or sweep up avoiding generation of mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water.
<b>Additional advice</b>	: None

**SECTION 7 - HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	: Use of nitrile gloves and eye protection is optional.
<b>Conditions for safe storage</b>	: Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials as provided in Section 10.
<b>Other data</b>	: Do not freeze.

**SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**

<b>Control parameters</b>	: Not available
<b>Engineering Controls</b>	: Normal building ventilation is adequate. Ensure that eyewash stations and safety showers are close to the workstation location
<b>Personal Protective Equipment</b>	
Eye/face protection	: Safety glasses with side shields when there is potential for eye contact. Face shield also recommended for handling large amounts. Contact lenses should not be worn
Hand protection	: Nitrile or rubber gloves are recommended
Skin protection	: Protective coveralls or thick clothing that covers exposed skin
Respiratory protection	: Wear a NIOSH/MSHA approved air-purifying respirator equipped with chlorine cartridges when vapours reach high levels
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice When using do not eat or drink When using do not smoke Wash hands before breaks and at the end of the workday

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	: Clear bright orange liquid
<b>Odor:</b>	: Citrus
<b>Odor Threshold:</b>	: Not available
<b>pH:</b>	: 12.5-13.5
<b>Melting point/ freezing point:</b>	: Not available
<b>Initial boiling point and boiling range:</b>	: Not available
<b>Flash point:</b>	: Not available
<b>Evaporation rate:</b>	: Not available
<b>Flammability (solid, gas):</b>	: Not available
<b>Upper/lower flammability or explosive limits:</b>	: Not available
<b>Vapour pressure:</b>	: Not available
<b>Vapour density:</b>	: Not available

Relative density (g/mL):	: 1.06
Water solubility:	: Not available
Solubility in other solvents:	: Not available
Partition coefficient: n-octanol/water:	: Not available
Auto-ignition temperature:	: Not available
Decomposition temperature:	: Not available
Viscosity:	: As water

**SECTION 10 - STABILITY AND REACTIVITY**

Reactivity	: Product is stable
Chemical Stability	: Stable under normal conditions
Possibility of hazardous reactions	: Hazardous decomposition products are not known
Conditions to avoid	: Avoid contact with oxidizing chemicals.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Not available

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Product Information**

Acute toxicity	: LD50 (oral, rat) 4150 mg/kg
Skin Corrosion/ Irritation	: Not available
Serious eye damage/irritation	: Not available
Respiratory or skin sensitization	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not Available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not available

**Toxicology Data for Ingredients**

**Tetrasodium ethylene diamine tetraacetate**

Acute oral toxicity	: LD50 3030 mg/kg LC50 Not available
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

**Ethoxylated C12-15 alcohol**

Acute oral toxicity	: LD50 >3200 mg/kg LC50 Not available
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

**Sodium xylene sulfonate**

Acute oral toxicity	: LD50 Not available LC50 Not available
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

**Sodium Hydroxide**

Acute oral toxicity	: LD50 4000 mg/kg LC50 Not available
Skin irritation	: Not available
Eye irritation	: Not available
Sensitization	: Not available

**SECTION 12 - ECOLOGICAL INFORMATION**

**Product Information:**

Toxicity: : Strongly alkaline. May cause damage to aquatic life.

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

**Toxicology Data for Ingredients:**

**Tetrasodium ethylene diamine tetraacetate**

Toxicity: : LC50 Not available  
LC50 Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

**Ethoxylated C12-15 alcohol**

Toxicity: : LC50 Not available  
LC50 Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

**Sodium xylene sulfonate**

Toxicity: : LC50 Not available  
LC50 Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

**Sodium Hydroxide**

Toxicity: : LC50 Not available  
LC50 Not available

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Product** : Sanitary sewer or dry absorbent if available.  
For large quantities, contact local environmental department or government authorities  
Do not dispose in drains, waterways, or soil  
Do not contaminate ponds, or ditches with chemical or the used container

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number** : UN3267  
**UN Proper Shipping Name** : Corrosive Liquid, Basic, Organic, N.O.S., (Tetrasodium EDTA)  
**Transport hazard class(es)** : 8  
**Packing group, if applicable** : III  
**Environmental hazards** : Not available

Special precautions for user : Not Available  
Transport in bulk according to Annex II of  
MARPOL 73/78 and the IBC Code : Not applicable

**SECTION 15 - REGULATORY INFORMATION**

WHMIS Status : Not known  
WHMIS classification : Class E

**SECTION 16 - OTHER INFORMATION**

**Prepared by:** Technical Services  
**Telephone number:** (905) 682-8888

**Preparation date:** October 2018

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