

# CITRUS CONCENTRATE

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	CITRUS CONCENTRATE
<b>Other Means of Identification</b>	ESTEAM CITRUS CONCENTRATE
<b>Product Family</b>	mixture
<b>Recommended Use</b>	All purpose cleaner degreaser.
<b>Restrictions on Use</b>	For use on Hard surfaces.
<b>Manufacturer</b>	Esteam Mfg Ltd, 3750 19th NE , Calgary , Alberta, T2E6V2, 403-291-7050, esteam.com
<b>Emergency Phone No.</b>	Canutec, 1-613-996-6666, 24 hr
<b>Date of Preparation</b>	February 21, 2018

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin irritation - Category 2; Serious eye damage - Category 1; Skin sensitization - Category 1; Aspiration hazard - Category 1

### Label Elements



Signal Word:  
Danger

### Hazard Statement(s):

Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
May be fatal if swallowed and enters airways.

### Prevention:

Wash thoroughly after handling.  
Wear eye protection/face protection.  
Wear protective gloves.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.

### Response:

IF ON SKIN: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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Continue rinsing.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Immediately call a POISON CENTER or doctor.

Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

Storage:  
Store locked up.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
d-Limonene	5989-27-5	10-20		
Alcohols, C6-12, ethoxylated, liquids	68439-45-2	10-20		
2-Butoxyethanol	111-76-2	10-20		
Diethylene glycol monobutyl ether	112-34-5	3-7		
Monoethanolamine	141-43-5	1-5		
.beta.-Alanine, N-(2-aminoethyl)-N-[2-(- carboxyethoxy)ethyl]-, N-coco acyl derivs., disodium salts	68477-57-4	1-3		

#### Notes

\*The exact percentage (concentrations) of the substance in the mixture has been withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Contact a physician if irritation persists.

##### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

##### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned. DO NOT induce vomiting unless directed to do so by medical personnel.

##### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

#### Most Important Symptoms and Effects, Acute and Delayed

If swallowed: may be drawn into the lungs if swallowed or vomited, causing severe lung damage. Death can result.

#### Immediate Medical Attention and Special Treatment

##### Medical Conditions Aggravated by Exposure

Skin allergies.

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## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Specific Hazards Arising from the Product

Does not burn.

### Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus and protective suit.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow.

### Conditions for Safe Storage

Store in the original, labelled, shipping container. Keep container tightly closed. Store in cool dry place. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety glasses.

#### Skin Protection

Wear Chemical protective gloves.

#### Respiratory Protection

Respirator not required, general ventilation is usually adequate.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Clear orange liquid.
<b>Odor</b>	Citrus
<b>Odor Threshold</b>	Not applicable
<b>pH</b>	11.8
<b>Melting Point/Freezing Point</b>	0 °C (32 °F) (freezing)
<b>Initial Boiling Point/Range</b>	Not available

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<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Relative Density (water = 1)</b>	0.959
<b>Solubility</b>	Dispersible in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available

**Other Information**

<b>Physical State</b>	Liquid
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions of use.

**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

Prolonged exposure to high temperatures.

**Incompatible Materials**

Oxidizing agents (e.g. peroxides), strong acids (e.g. hydrochloric acid).

**Hazardous Decomposition Products**

Carbon Dioxide, Carbon Monoxide.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
d-Limonene		4400 mg/kg (rat)	> 5000 mg/kg (rabbit)
Alcohols, C6-12, ethoxylated, liquids		> 2000 mg/kg (rat)	1000 mg/kg (rabbit)
2-Butoxyethanol	> 4.9 mg/L (rat) (4-hour exposure) (vapor)	1300 mg/kg (rat)	> 2000 mg/kg (rat)
Diethylene glycol monobutyl ether	> 29 ppm (rat) (2-hour exposure)	4500 mg/kg (rat)	2764 mg/kg (rabbit)
Monoethanolamine	> 1.48 mg/L (rat) (4-hour exposure)	1089 mg/kg (rat)	2504 mg/kg (rat)
.beta.-Alanine, N-(2-aminoethyl)-N-[2-(-carboxyethoxy)ethyl]-, N-coco acyl derivs., disodium salts		17100 mg/kg (rat)	

**Skin Corrosion/Irritation**

May cause mild irritation based on information for closely related chemicals.

### **Serious Eye Damage/Irritation**

May cause serious eye damage based on information for closely related materials.

### **STOT (Specific Target Organ Toxicity) - Single Exposure**

#### **Inhalation**

Irritating to respiratory system.

#### **Skin Absorption**

Mild skin irritation and may cause an allergic reaction.

#### **Ingestion**

Harmful if swallowed. Irritation to mouth, throat and stomach.

### **Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

### **Carcinogenicity**

Not known to cause cancer.

### **Reproductive Toxicity**

#### **Development of Offspring**

Does not cause harm.

#### **Sexual Function and Fertility**

Does not cause any effects.

### **Germ Cell Mutagenicity**

Not known to be a mutagen.

## **SECTION 12. ECOLOGICAL INFORMATION**

### **Persistence and Degradability**

No data available on the product itself.

### **Bioaccumulative Potential**

The potential to Bioaccumulate is low.

### **Mobility in Soil**

Studies are not available.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

### **Safety, Health and Environmental Regulations**

#### **Canada**

#### **Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL or are not required to be listed.

#### **USA**

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## Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

### SECTION 16. OTHER INFORMATION

<b>SDS Prepared By</b>	Product safety manager
<b>Phone No.</b>	403-291-7050
<b>Date of Preparation</b>	February 21, 2018
<b>References</b>	CHEMINFO database. Canadian Center for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Center for Occupational Health and Safety (CCOHS). Raw ingredient SDS's.
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