



# Safety Data Sheet ALPHA DESCALER

According to Regulation (EC) No. 1907/2006 (amended  
by Regulation (EU) No. 453/2010)

Version 3

Version date:  
01/11/2023

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name / designation Alpha Descaler  
Article No (user) Not available

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Descaler/Detergent  
Uses advised against Not available

### 1.3. Details of the supplier of the safety data sheet

Supplier Tech Sales Co.  
10520 Yonge St. Unit 358-220  
Richmond Hill, Ontario, L4C 3C7  
Canada  
Tel : 1-416-410-1313

### 1.4. Emergency Telephone Number

Chemtrec : 1-703-527-3887

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### 2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]



### 2.2. Label elements

#### 2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Danger symbol



Signal word

**Warning**

Product identifier

-

Danger

-

Supplemental Hazard information (EU)

-

General statements

-

Prevention statements

May cause mild skin irritation if not rinsed off with soap and water  
May cause eye irritation if not rinsed out with copious amounts of water.

	Wear protective gloves/eye protection Wash thoroughly after handling
Response statements	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention.
Storage statements	-
Disposal statements	-
Additional information	-

### **2.3. Other hazards**

Not available

## **SECTION 3: Composition/information on ingredients**

No ingredients are hazardous according to REACH criteria. No components need to be disclosed according to the applicable regulations.

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

<b>General information</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Following inhalation</b>	Provide fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Immediately call a doctor.
<b>Following skin contact</b>	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
<b>Following eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
<b>Following ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. Call a doctor if you feel unwell.
<b>Self-protection of the first aider</b>	Not available

### **4.2. Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	May causes mild eye irritation if not rinsed with copious amounts of water.
<b>Effects</b>	Not available

### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Special treatment</b>	Not available

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Product does not support combustion, use extinguishing agent for type of surrounding fire.

### **5.2. Special hazards arising from the substance or mixture**

Not available

### **5.3. Advice for firefighters**

Special protective equipment for firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

Do not inhale explosion and combustion gases.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

Do not breathe vapour.

Provide adequate ventilation.

For non-emergency personnel: Remove persons to safety.

Personal precautions: Use personal protection equipment.

For emergency responders: Wear personal protective clothing (see section 8).

Personal protection equipment: Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### **6.2. Environmental precautions**

Ensure waste is collected and contained.

No special environmental measures are necessary.

### **6.3. Methods and material for containment and cleaning up**

For containment: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up: Collect in closed and suitable containers for disposal.

Dispose of waste according to applicable legislation.

### **6.4. Reference to other sections**

Disposal: see section 13

#### **Additional information**

Not available

## **SECTION 7: Handling and Storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes.

Do not breathe vapors or spray mist.

For precautions see section 2.2.

Protective measures: Environmental precautions: See section 8.

Advices on general occupational hygiene: When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and in a well-ventilated place.

Store in a dry place.

Open containers must be carefully closed/resealed and kept upright to prevent leakage.

Do not mix with strong oxidizing agents

Advice on joint storage: Storage class: no classification

### **7.3. Specific end uses**

Not available

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Use personal protective equipment as required.  
Handle in accordance with good industrial hygiene and safety practices.

#### 8.2.2. Personal protection equipment



##### Eye protection

While eye protection is not required, where protection from nuisance levels are desired, use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



##### Hand protection

While skin protection is not required, where protection from nuisance levels are desired, Gloves must be inspected prior to use. Use proper glove removal technique. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Respiratory protection

Usually no personal respirative protection necessary.

#### 8.2.3. Environmental exposure controls

#### 8.2.4. Consumer exposure controls

Not available

#### Additional information

Not available

## SECTION 9: Physical and chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Physical state: liquid
<b>Odour</b>	Colour: No data available
<b>Odour threshold</b>	Mild soapy
<b>pH</b>	Value: No data available
<b>Melting point/freezing point</b>	Value: < 1
<b>Initial boiling point and boiling range</b>	Value: < -17°C
<b>Flash point</b>	Value: > 100°C
<b>Evaporation rate</b>	Value: > 85°C (ASTM D-56)
<b>Flammability</b>	Value: No data available
<b>Vapour pressure</b>	Value: No data available
<b>Vapour density</b>	Value: No data available
<b>Relative density</b>	Value: No data available
<b>Solubility(ies)</b>	Value: 1.082 ± 0.04
<b>Partition coefficient: n-octanol/water (Log KOC)</b>	Value: 100% Soluble
<b>Auto-ignition temperature</b>	Value: liquid
<b>Decomposition temperature</b>	Value: No data available
<b>Viscosity</b>	Value: No data available
<b>Explosive properties</b>	Value: No data available
<b>Oxidising properties</b>	Value: No data available

## **SECTION 10: Stability and Reactivity**

### **10.1. Reactivity**

This material is considered to be non-reactive under normal use conditions.

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

### **10.4. Conditions to avoid**

No information available.

### **10.5. Incompatible materials**

Not available

### **10.6. Hazardous decomposition products**

Does not decompose when used for intended uses.

In the event of fire, see section 5.

### **Additional information**

Not available

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **11.1.1. Toxicokinetics, metabolism and distribution**

Acute toxicity - LD50 Oral - rat - 7,300 mg/kg

#### **11.1.2. Information on toxicological effects**

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitisation: no data available

Repeated dose toxicity (subacute, subchronic, chronic): no data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): Based on available data, the classification criteria are not met.

#### **11.1.3. Symptoms related to the physical, chemical and toxicological characteristics**

Not available

#### **11.1.4. Carcinogenicity, mutagenicity or reproductive toxicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Additional information**

Not available

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

No information available.

### **12.2. Persistence and degradability**

No information available.

### **12.3. Bioaccumulative potential**

Does not bioaccumulate

### **12.4. Mobility in soil**

No information available.

### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### **12.6. Other adverse effects**

Not available

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Waste treatment options:

Appropriate disposal / Product: Dispose of waste according to applicable legislation.  
Delivery to an approved waste disposal company.

Appropriate disposal / Package: Handle contaminated packages in the same way as the substance itself.

Remark: The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.  
For recycling, contact manufacturer.

#### **Additional information**

Not available

## SECTION 14: Transport information

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods.

**Typical proper shipping names for this product are:**

US DOT (**US Department of Transportation**): Non-Regulated as a Hazardous Material

Canadian TDG (**Transportation of Dangerous Goods**): Not Regulated as a Hazardous Material to and through

Canada IMO (**Water Transportation**): Not Regulated as a Hazardous Material

IATA (**Air Transportation**): Not Regulated as a Hazardous Material

Rail: Not Evaluated

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation: Not applicable

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### Additional information

Not available

## SECTION 16: Other information

#### Indication of changes

Not applicable

#### Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

#### Key literature references and sources for data

This information is not available.

#### Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Not available

#### Relevant R-, H- and EUH-phrases (Number and full text)

H315: Causes skin irritation.

H335: May cause respiratory irritation.

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non-identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.