



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

### 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

**Identification of Preparation:** NATURAL CITRUS DEGREASER  
**Date of Safety Data Sheet:** January 22, 2021  
**Use of Preparation:** Cleaner  
**Company Identification:** STARK INDUSTRIAL  
527 Dundonald Street  
Fredericton, NB L4K 1Y8

**Company Emergency Telephone Number** Emergency Phone: 1-888-709-7773

**Transportation Emergency Telephone Number** Emergency Phone: 1-888-709-7773

### 2. HAZARD IDENTIFICATION

**Emergency Overview:**

**OSHA/ WHMIS 2014 Hazards:**

**Classification of substances or mixture**

**GHS-US/ Canadian classification:**

Acute Toxicity 4 (Oral) H302

Skin Corrosion 1A H314

Eye Damage 1 H318

Skin sensitizer Category 1-H317

**Label Elements**

**GHS-US Labeling**

**Hazard Pictograms (GHS):**



**Signal Word (GHS):** Danger

**Hazard Statements (GHS):**

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H317 - May cause allergic skin reaction.

H318 - Causes serious eye damage.

**Precautionary Statements (GHS):**

P260: Do not breathe mist, spray, and vapors.

P264: Wash hands, forearms, and exposed areas thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P271: Contaminated work clothing must not be allowed out of the workplace.



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

P280: Wear face protection, protective clothing, protective gloves, and eye protection.

### Response Statements (GHS):

P301+P310+P312+ P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Description:** Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Sodium metasilicate pentahydrate	10213-79-3	1-5	Skin Corrosion Category 1A - H314 Eye Damage / Irritant Category 1 H318
Ethylene Glycol Monobutyl Ether	111-76-2	1-5	Flammable liquid Category 4 Skin Irritation 2A-H315
Alcohol Ethoxylate	68131-39-5	3-7	Serious Eye Damage / Eye Irritation category 2 A-H319
D Limonene	5989-27-5	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Irritation Category 2 - H315 Skin Sensitizer Category 1-H317
Potassium salt of dodecylbenzene sulphonic acid	27177-77-1	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Irritation Category 2 - H315 Serious Eye Damage/Eye Irritation Category 2A – H319

### 4. FIRST AID MEASURES

**General Advice:**

Remove to fresh air. If symptoms persist, consult a doctor.

**Eye Contact:**

Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin Contact:**

Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. Chemical burns must be treated by physician.

**Ingestion:**

Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Immediately call a POISON CENTRE or doctor/physician.

**Inhalation:**

Remove to fresh air. If symptoms persist consult physician.

**Notes to Physician:**

Treatment based on judgment of attending physician.

**Most Important symptoms and effects, both acute and delayed:**

Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling and blurred vision.



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).
<b>Unsuitable extinguishing media:</b>	High volume/jet water.
<b>Special exposure hazards:</b>	Thermal decomposition releases irritating gases.
<b>Special safety equipment:</b>	Self-contained positive pressure breathing apparatus and protective clothing.
<b>Fire and explosion</b>	Not flammable. No explosion hazard.
<b>Further information</b>	Keep containers and surrounding cool with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

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

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

#### **For Non-Emergency Personnel:**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel:**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Stop leak if safe to do so. Ventilate area.

#### **Environmental Precautions**

Prevent entry to sewers and public waters.

#### **Methods and Material for Containment and Cleaning Up:**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely.

#### **Reference to Other Sections:**

See Heading 8. Exposure controls and personal protection.

### 7. HANDLING AND STORAGE

#### **Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Avoid splashes or spray in enclosed areas.

Prevent formation of aerosols.

#### **Information about fire and explosion protection:**

Keep respiratory protective device available.

No special measures required.

#### **Conditions for safe storage, including any incompatibilities:**

**Storage:** Acids, Oxidizers, reducing agents.

#### **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Protect from humidity and water.

Unsuitable material for receptacle: steel and aluminium.

Avoid storage near extreme heat, ignition sources or open flame.

#### **Information about storage in one common storage facility:**

Do not store together with alkaline products.

Store away from oxidizing agents.

Store away from foodstuffs.

#### **Further information about storage conditions:**



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

Store in cool, dry conditions in well sealed receptacles.  
Store receptacle in a well-ventilated area.  
Keep container tightly sealed.

**Specific end use(s)** No further relevant information available.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Appropriate Engineering Controls:**

##### **Engineering Measures**

Showers. Eyewash Stations. Ventilation Systems.

##### **Respiratory protection:**

Use local exhaust or dilution ventilation.

##### **Hand protection:**

Chemical resistant gloves.

##### **Eye protection:**

Safety goggles or full face shield.

##### **Skin protection:**

Use body-covering impervious clothing.

##### **Working hygiene:**

Take usual precautions when handling. Workers should wash hands before eating, drinking, or smoking.

##### **Exposure guidelines:**

None.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **Physical and Chemical Properties**

<b>Physical State</b>	<b>Liquid</b>	<b>Odour</b>	<b>Citrus</b>
<b>Appearance</b>	<b>Clear</b>	<b>Odour Threshold</b>	<b>No data available.</b>
<b>Colour</b>	<b>Orange</b>	<b>Remarks/Method</b>	
<b>Property</b>	<b>Values</b>		
<b>pH</b>	13.25 +/- 0.25	None known	
<b>Melting/Freezing Point</b>	No data available	None known	
<b>Boiling Point/Range</b>	No data available	None known	
<b>Flash Point</b>	Not applicable.	None known	
<b>Evaporation Rate</b>	Similar	None known	
<b>Flammability (solid, gas)</b>	Not flammable	None known	
<b>Flammability Limit in Air:</b>			
<b>Upper Limit</b>	No data available	None known	
<b>Lower Limit</b>	No data available	None known	
<b>Vapour Pressure</b>	No data available	None known	
<b>Vapour density</b>	No data available	None known	
<b>Specific Gravity</b>	1.016 g/cm <sup>3</sup>		
<b>Water Solubility</b>	Soluble in water.	None known	
<b>Solubility Other Solvents</b>	No data available	None known	
<b>Partition Coefficient:</b>			
<b>n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition</b>	No data available	None known	
<b>Temperature</b>			
<b>Kinematic Viscosity</b>	No data available	None known	
<b>Dynamic Viscosity</b>	No data available	None known	



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

<b>Explosive Properties</b>	No data available	None known
<b>Oxidizing Properties</b>	No data available	None known

### Other Properties:

<b>Softening Point</b>	No data available
<b>VOC Content %</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Thermal decomposition/conditions to avoid:</b>	Reacts with acids reducing and oxidizing agents.
<b>Possibility of hazardous reactions</b>	Avoid contact with oxidizers, reducing agents and acids.
<b>Conditions to avoid</b>	Store away from oxidizing, reducing agents and acids.
<b>Hazardous decomposition products</b>	Carbon dioxide and oxides of carbon.
<b>Materials to avoid</b>	Oxidizing, reducing agents, acids.
<b>Hazardous polymerization</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

**Acute toxicity:** Not classified.

**LD/LC50 values relevant for classification**

Not classified.

**Primary irritant effect:**

**On the skin:** Corrosive to skin.

**On the eye:** Strong caustic effect.

**Ingestion:** Unclassified.

**Inhalation:** Unclassified.

**Sensitization:** D limonene is a skin sensitizer.

**Additional toxicological information:** The product shows the following dangers according to the calculation method:  
Corrosive to eye and skin.

## 12. ECOLOGICAL INFORMATION

<b>Toxicity:</b>	Not available.
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available.
<b>Other Adverse Effects</b>	Not available.
<b>Other Information:</b>	Avoid release to the environment. All organic matter is readily biodegradable.

## 13. DISPOSAL

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

### 14. TRANSPORTATION INFORMATION

**Canadian TDG (Road & Rail): Regulated Material**

Proper Shipping Name: Corrosive liquid, Basic, Inorganic N.O.S

Contains: Sodium Metasilicate, Tetrasodium EDTA

Hazard Class: 8

ID Number: UN 3266

Packing Group: III

Environmentally Hazardous: No

**U.S. Department of Transportation (DOT): Regulated Material**

Proper Shipping Name: Corrosive liquid, Basic, Inorganic N.O.S

Contains: Sodium Metasilicate, Tetrasodium EDTA

Hazard Class: 8

ID Number: UN 3266

Packing Group: III

Environmentally Hazardous: No

**Water Transportation (IMO): Regulated Material**

Proper Shipping Name: Corrosive liquid, Basic, Inorganic N.O.S

Contains: Sodium Metasilicate, Tetrasodium EDTA

Hazard Class: 8

ID Number: UN 3266

Packing Group: III

Environmentally Hazardous: No

**Air Transportation (IATA): Regulated Material**

Proper Shipping Name: Corrosive liquid, Basic, Inorganic N.O.S

Contains: Sodium Metasilicate, Tetrasodium EDTA

Hazard Class: 8

ID Number: UN 3266

Date: January 22, 2021

SDS: Stark Industrial – NATURAL CITRUS DEGREASER



# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

Packing Group: III  
Environmentally Hazardous: No



### 15. REGULATION

**Occupational Health & Safety Regulations:**

**WHMIS 1988 Classification:** Class D - Division 2B, Class E



**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

#### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	-
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

#### Legend:

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### U.S. State Regulations

##### California Prop. 65

This product does not contain any Proposition 65 chemicals.

Date: January 22, 2021

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# SAFETY DATA SHEET

## NATURAL CITRUS DEGREASER

### HMIS III Rating

Health: 3 Serious Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: C

SDS US (GHS HazCom 2012 and WHMIS 2015)

### 16. OTHER INFORMATION

**Prepared By:** Technical Department.

**Issuing Date:** November 12, 2016

**Revision Date:** January 22, 2021

**Revision Notes:** Updated Section 14 Transportation Information.

#### **Disclaimer:**

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**