



# Spartan Chemical Company, Inc.

## WHMIS Safety Data Sheet

Revision Date: 02-Jul-2021

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** **BIORENEWABLES INDUSTRIAL DEGREASER**  
**Product Number:** 2310C  
**Recommended Use:** Cleaning agent  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:**

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
www.spartanchemical.com

Canadian Agent:  
Perley-Robertson, Hill & McDougal, LLP  
340 Albert Street, Suite 1400  
Ottawa, ON, Canada K1R 0A5

**Medical Emergency/Information:** 888-314-6171 (24 Hour)

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin Corrosion/Irritation: Category 2  
Serious Eye Damage/Eye Irritation: Category 1  
Skin Sensitization: Category 1  
Aspiration Toxicity: Category 1  
Flammable Liquids: Category 4

**GHS Label Elements**

**Signal Word:**

**Danger**

**Symbols:**



**Hazard Statements:**

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

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Wear protective gloves  
Wear eye / face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

**Response:**

**-Eyes**

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 PHYSICIAN.

**-Skin**

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention.

<b>-Ingestion:</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting.
<b>-Specific Treatment:</b>	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
<b>Fire:</b>	Water spray, fog or alcohol-resistant foam, Carbon dioxide, for extinction
<b>Storage:</b>	Store locked up. Store in a well-ventilated place. Keep cool
<b>Disposal:</b>	Dispose of contents and container in accordance with local, state and federal regulations.
<b>Hazards Not Otherwise Classified:</b>	Not Applicable
<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• Inhalation of vapors or mist may cause respiratory irritation.</li> <li>• Contains petroleum distillates. Possible aspiration hazard.</li> <li>• Mops, towels or rags dampened with this product are combustible and may also be subject to spontaneous combustion. Thoroughly rinse these materials with water to remove product before disposal or discard in special containers designed for this purpose.</li> <li>• Toxic to aquatic life with long lasting effects</li> <li>• Keep out of reach of children</li> </ul>

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Soy Methyl Esters	67784-80-9	30-60
C13-14 Alkane	64742-47-8	30-60
Undeceth-3	34398-01-1	5-10
Tall Oil	8002-26-4	1-5
Limonene	5989-27-5	1-5

The actual concentrations of the components in this product have been withheld as trade secrets.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Wash with plenty of soap and water Take off contaminated clothing and wash before reuse If skin irritation or rash occurs: Get medical attention.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
<b>Note to Physicians:</b>	Contains petroleum distillates. Possible aspiration hazard.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Dry chemical, CO2, water spray or regular foam, Move containers from fire area if you can do it without risk
<b>Specific Hazards Arising from the Chemical:</b>	Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove all sources of ignition.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage 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).

## 7. HANDLING AND STORAGE

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Suggested Shelf Life:** Minimum of 2 years from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational Exposure Limits:** None established

**Engineering Controls:** Provide good general ventilation.  
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment**

**Eye/Face Protection:** Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.

**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves. (neoprene or nitrile is recommended).

**Respiratory Protection:** Not required with expected use.  
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.  
See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Light yellow
<b>Odor:</b>	Citrus fragrance
<b>Odor Threshold:</b>	No information available
<b>pH:</b>	Not applicable
<b>Melting Point / Freezing Point:</b>	No information available
<b>Boiling Point / Boiling Range:</b>	> 204 °C / 400 °F
<b>Flash Point:</b>	82 °C / 179 °F
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available
<b>Upper Flammability Limit:</b>	No information available
<b>Lower Flammability Limit:</b>	No information available
<b>Vapor Pressure:</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Specific Gravity:</b>	0.862
<b>Solubility(ies):</b>	Miscible in water
<b>Partition Coefficient:</b>	No information available
<b>Autoignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Viscosity:</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage.

**Conditions to Avoid:** Heat, flames and sparks.

**Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition** May include carbon monoxide, carbon dioxide (CO<sub>2</sub>) and other toxic gases or vapors.

**Products:****11. TOXICOLOGICAL INFORMATION**

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness and cracking of the skin.
<b>-Inhalation:</b>	Nasal discomfort and coughing.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea. Potential for aspiration if swallowed.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	3827 mg/kg
ATEmix (dermal):	6136 mg/kg

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
C13-14 Alkane 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Tall Oil 8002-26-4	> 6000 mg/kg ( Rat )	Not Available	Not Available
Limonene 5989-27-5	= 5200 mg/kg ( Rat ) = 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
C13-14 Alkane 64742-47-8	Not Available	45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	Not Available
Tall Oil 8002-26-4	0.87: 72 h Pseudokirchneriella subcapitata mg/L EC50	5.0 - 10.0: 96 h Brachydanio rerio mg/L LC50 static	Not Available	39.7: 48 h Daphnia magna mg/L EC50
Limonene 5989-27-5	Not Available	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	Not Available	Not Available

<b><u>Persistence and Degradability:</u></b>	No information available.
<b><u>Bioaccumulation:</u></b>	No information available.

**Marine Pollutant:** Yes

**Other Adverse Effects:** No information available

**13. DISPOSAL CONSIDERATIONS**

<b>Disposal of Wastes:</b>	Dispose of in accordance with federal, state and local regulations.
<b>Contaminated Packaging:</b>	Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

<b><u>TDG / DOT:</u></b>	Not Regulated
<b>Proper Shipping Name:</b>	Non-Hazardous Product
<b>Special Provisions:</b>	Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.
<b><u>IMDG:</u></b>	
<b>UN/ID No:</b>	UN3082
<b>Proper Shipping Name:</b>	Environmentally hazardous substance, liquid, n.o.s., (contains d-limonene), Marine Pollutant
<b>Hazard Class:</b>	9
<b>Packing Group:</b>	III
<b>Marine Pollutant:</b>	Yes.
<b>Additional information:</b>	According to IMDG Code 2.10.2.7, marine pollutants packed in single or inner packagings with a capacity of not more than 5 L or 5 kg are excluded from marine pollutant marking requirements.

## 15. REGULATORY INFORMATION

**DSL / NDSL Status:** (Domestic Substances List / Non-Domestic Substances List)

The chemical substances in this product are included on or exempt from listing on the Canadian DSL / NDSL.

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	Yes
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health Hazards:</b> 2	<b>Flammability:</b> 2	<b>Instability:</b> 0	<b>Special:</b> N/A
<b><u>HMIS</u></b>	<b>Health Hazards:</b> 2	<b>Flammability:</b> 2	<b>Physical Hazards:</b> 0	

**Revision Date:** 02-Jul-2021  
**Reasons for Revision:** Section, 14

**Disclaimer:**

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.

**End of Safety Data Sheet**