

# Material Safety Data Sheet

## Crude Corn Oil

Health	1
Fire	1
Reactivity	0
Personal Protection	D

### Section 1: Chemical Product and Company Identification

**Product Name:** Crude Corn Oil

**Contact Information:**

**CAS#:** 8001-30-7

**Golden Grain Energy. LLC**

1822 43<sup>rd</sup> St SW

Mason City, Iowa 50401

**RTECS:** GM4800000

888-443-2676

**TSCA:** TSCA 8(B) INVENTORY: CORN OIL

**CI#** Not available.

**Synonym:** Corn Oil, N.F.

**Chemical Name:** Crude Corn Oil

**Chemical Formula:** NA

For non-emergency assistance, call 888-443-2676

### Section 2: Composition and Information on Ingredients

Name	CAS #	% by Weight
Crude Corn Oil	8001-30-7	100%

OSHA Hazardous Components (29CFR 1910.1200)

Toxicological Data on Ingredients: NA

### Section 3: Hazards Identification

**Potential Acute Health Effects** Prolonged exposure to the product may cause wheezing, chest tightness, productive cough, eye and nasal irritation, and symptoms of chronic respiratory disease. Syrup may also induce asthmatic reactions via an allergic mechanism, particularly in individuals who are predisposed to developing allergies.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

### Section 3: Hazards Identification, Continued

**Eye Contact:** Product, steam may be irritating to the eyes. Eye contact (irritant).

**Skin Contact:** Corn Oil has an acid pH . Slightly hazardous in case of skin contact (irritant).

**Inhalation:** NA.

**Ingestion:** Material is non-toxic by ingestion.

**Chronic:** NA

Repeated or prolonged exposure is not known to aggravate medical condition.

### Section 4: First Aid Measures

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention. In cases of inhalation of IDLH levels, evacuate the victim to a safe area as soon as possible. Loosen tight fitting clothing. If breathing is difficult, administer oxygen. If victim is not breathing, perform mouth to mouth resuscitation. Seek medical attention.

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lens. Do not use an eye ointment. Consult a physician if irritation persists after flushing eyes.

**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Ingestion:** Not a hazard unless ingested in such quantities as to interfere with normal digestion.

### Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperatures

**Auto-Ignition Temperature:** 392 C (737.6 F)

**Flash Points:** Closed cup: 254 C (489.2F)

**Flammable Limits:** NA

**Products of Composition:** NA

**General Hazards:** Slightly flammable to flammable in presence of heat.

**Fire Fighting Instructions:** Powder, alcohol resistant foam, water in large amounts, carbon dioxide, do not use a water jet.

**Fire Fighting Equipment:** Respiratory and eye protection required for fire fighting personnel. Full protective equipment and a full facepiece self-contained breathing apparatus in pressure demand mode should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of an SCBA may not be required.

### Section 6: Accidental Release Measures

**Land Spill:** Eliminate ignition sources. Isolate hazard area and deny entry to unauthorized or unprotected personnel. Remove spilled

material so as to avoid creating a slip hazard. Spilled waste material is flammable but is not classified as a hazardous material.

**Water Spill:** Material is a natural material. Small spills will dilute naturally with the water and will biodegrade.

### Section 7: Handling and Storage

**Storage:** Keep container tightly closed. Keep container in a cool, well ventilated area.

General: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breath gas/fumes/vapor or spray. Keep away from incompatibles such as oxidizing agents.

### Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective TLV. Ensure that eyewash station and safety shower is available.

**Personal Protection:** Face shield, Synthetic apron and gloves.

**Exposure Limits:** TLV- 10 mg/m<sup>3</sup>                      PEL – 15 mg/m<sup>3</sup>

### Section 9: Physical and Chemical Properties

Physical State and Appearance: Liquid	Specific Gravity: 0.918
Vapor Pressure: NA	Melting Point: -14 C (6.8 F)
Odor: Characteristic. Slight	
Appearance: Reddish - Orange	
pH (1% soln/water): 3 -4pH	
Boiling Point: NA	
Solubility: Insoluble in cold water	
Vapor Density: (Air=1) at 78° C: Not applicable	

### Section 10: Stability and Reactivity

**General:** This product is stable and hazardous polymerization will not occur.

**Incompatible Materials and Conditions to Avoid:** Incompatible materials such as oxidizing agents.

**Hazardous Decomposition:** None

**Polymerization:** Will not occur

### Section 11: Toxicological Information

**Toxicity to Animals:** NA  
**LD50:** Oral (rat) >100 ml/kg

**Chronic Effects on Humans:** NA

#### Section 12: Ecological Information

**Ecotoxicity:** NA  
**BOD5 and COD:** NA

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

#### Section 13: Disposal Considerations

**Waste Disposal:** This material is not defined as hazardous under existing regulations. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### Section 14: Transport Information

**DOT Classification:** Not a DOT controlled material  
**Identification:** NA  
**Special Provisions for Transport:** NA

#### Section 15: Other Regulatory Information

**Federal and State Regulations:** Rhode Island RTK hazardous substance: Corn Oil  
Pennsylvania RTK: Corn Oil

**TSCA 8(b) Inventory:** Corn Oil.

**SARA Title III:** Components of this product are not listed under this statute.

**CERCLA:** Components of this product are not listed under this statute.

## Section 16: Other Information

**References:** Legend Technical Services, Inc.

**Created:** 12/15/2004

**Last Updated:** 01/15/2009

**HMIS (U.S.A.):**

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection:1

**National Fire Protection Association (U.S.A.)**

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard: NA

Complies with WHMIS Requirements in Canada.

OSHA Requirements in USA

Prepared by: Larry Pascal

This information relates to this specific material. It may not be valid for this material if it is used in combination with any other materials or in any process. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information of this information for his own particular use. All materials may present unknown hazards and should be used with caution although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.