



MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Super Soy™ Degreaser
Product Number (s): 73135
Product Use: General Purpose Degreaser

Manufacturer / Supplier Contact Information:

<u>In United States:</u> CRC Industries, Inc. 885 Louis Drive Warminster, PA 18974 www.crcindustries.com 1-215-674-4300(General) (800) 521-3168 (Technical) (800) 272-4620 (Customer Service)	<u>In Canada:</u> CRC Canada Co. 2-1246 Lorimar Drive Mississauga, Ontario L5S 1R2 www.crc-canada.ca 1-905-670-2291
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24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

Section 2: Hazards Identification

Emergency Overview

WARNING: May Cause Skin Irritation. Contents Under Pressure.
Appearance & Odor: Light yellow, clear liquid, mild acetone odor

Potential Health Effects:

ACUTE EFFECTS:

EYE: May cause mild irritation including burning and redness.

SKIN: Brief contact may cause mild irritation, including redness, itching or drying of skin. This product contains an ingredient known to be a sensitizer in animals. Prolonged or repeated contact with the product may result in an allergic skin sensitization reaction.

INHALATION: Inhalation of vapors or mists of the product may be irritating to the respiratory system. Prolonged exposure to vapors may cause anesthesia-like affects including headache, dizziness, and nausea.

INGESTION: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: None known

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Soy methyl ester	67784-80-9	75 - 85
Ethyl lactate	97-64-3	3 - 8
Fatty acids, tall oil, monoesters w/ sorbitan	61791-48-8	3 - 8
Dipropylene Glycol n-propyl Ether	29911-27-1	1 - 5
Acetone	67-64-1	1 - 5
Carbon dioxide	124-38-9	1 - 5

Section 4: First Aid Measures

- Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
- Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
- Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion: If ingestion of a large amount occurs, do not induce vomiting. Call a physician.
- Note to Physicians:* Treat symptomatically.

Section 5: Fire-Fighting Measures

- Flammable Properties:** This product is not flammable in accordance with aerosol flammability testing definitions. (See 16 CFR 1500.3(c)(6)). The aerosol does not exhibit a flame extension or a flashback. Dispensed liquid product is flammable.
- Flash Point: 84°F / 29°C (TCC) Upper Explosive Limit: ND
- Autoignition Temperature: ND Lower Explosive Limit: ND

Fire and Explosion Data:

- Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog
- Products of Combustion: Oxides of carbon
- Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode.
- Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Section 6: Accidental Release Measures

- Personal Precautions: Use personal protection recommended in Section 8.
- Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Avoid contact with skin and eyes. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Do not use near open flame or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120°F / 49°C to prevent cans from rupturing.

Aerosol Storage Level: I

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Soy methyl ester	NE	NE	NE	NE	NE		
Ethyl lactate	NE	NE	NE	NE	NE		
Fatty acids, tall oil, monoesters w/ sorbitan	NE	NE	NE	NE	NE		
Dipropylene Glycol n-propyl Ether	NE	NE	NE	NE	NE		
Acetone	1000	NE	500	750	NE		ppm
Carbon dioxide	5000	30000 (v)	5000	30000	NE		ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Controls and Protection:

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid
 Color: light yellow, clear
 Odor: mild acetone odor
 Odor Threshold: ND
 Specific Gravity: 0.894
 Initial Boiling Point: 133°F / 56°C
 Freezing Point: ND
 Vapor Pressure: ND
 Vapor Density: > 1 (air = 1)
 Evaporation Rate: slow
 Solubility: insoluble in water
 Coefficient of water/oil distribution: ND
 pH: NA
 Volatile Organic Compounds: wt %: 8.2 g/L: 73.3 lbs./gal: 0.6

Section 10: Stability and Reactivity

Stability: Stable
 Conditions to Avoid: Sources of ignition
 Incompatible Materials: Strong oxidizing agents and alkalis
 Hazardous Decomposition Products: Methanol may be evolved if hydrolyzed or saponified.
 Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

Acute Toxicity:

Component	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
Methyl ester, soybean oil	> 2000 mg/kg	> 5000 mg/kg	No data
Ethyl lactate	> 2000 mg/kg	> 5000 mg/kg	No data
Fatty acids, tall oil, monoesters w/ sorbitan	> 2000 mg/kg	No data	No data
Dipropylene Glycol n-propyl Ether	1620 µL/kg	5660 µL/kg	No data
Acetone	5800 mg/kg	No data	50,100 mg/m ³ /8H
Carbon dioxide	No data	No data	470,000 ppm/30M

Chronic Toxicity:

Component	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen	Irritant	Sensitizer
Methyl ester, soybean oil	No	No	No	E & S (mild)	Unknown
Ethyl lactate	No	No	No	E & S (mild)	Unknown
Fatty acids, tall oil, monoesters w/ sorbitan	No	No	No	No	Unknown
Dipropylene Glycol n-propyl Ether	No	No	No	E (moderate) / S (mild)	Unknown

<u>Component</u>	<u>OSHA Carcinogen</u>	<u>IARC Carcinogen</u>	<u>NTP Carcinogen</u>	<u>Irritant</u>	<u>Sensitizer</u>
Acetone	No	No	No	E & S (moderate) / R (mild)	Yes
Carbon dioxide	No	No	No	No	No

E – Eye	S – Skin	R - Respiratory
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Reproductive Toxicity: No information available
Teratogenicity: No information available
Mutagenicity: Methyl ester, soybean oil: non-mutagenic
Synergistic Effects: No information available

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available
 Persistence / Degradability: This product has not been tested for biodegradability, but all of the components are listed as biodegradable.
 Bioaccumulation / Accumulation: No information available
 Mobility in Environment: No information available

Section 13: Disposal Considerations

Waste Classification: The dispensed liquid product is a RCRA hazardous waste for the characteristic of ignitibility with a waste code of D001. (See 40 CFR Part 261.20 – 261.33)
 Empty aerosol containers may be recycled. Any liquids should be collected and properly disposed.

All disposal activities must comply with federal, state, provincial and local regulations. Local regulations may be more stringent than state, provincial or national requirements.

Section 14: Transport Information

US DOT (ground): UN1950, Aerosols, Flammable, 2.1, Limited Quantity
 ICAO/IATA (air): UN1950, Aerosols, Flammable, 2.1, Limited Quantity
 IMO/IMDG (water): UN1950, Aerosols, 2.1, Limited Quantity
 Special Provisions: None

Section 15: Regulatory Information

U.S. Federal Regulations:

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: Acetone (5000 lbs)

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	Yes
Reactive Hazard	No
Release of Pressure	Yes
Acute Health Hazard	Yes
Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

Occupational Safety and Health Administration:

This product is regulated under the Hazard Communication Standard.

Canadian Regulations:

Controlled Products Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Hazard Class: A

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

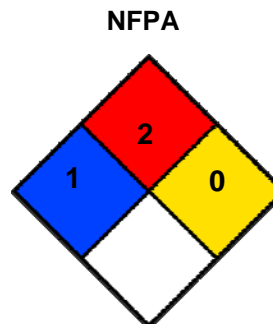
European Union Regulations:

RoHS Compliance: This product is compliant with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003. This product does not contain any of the restricted substances as listed in Article 4(1) of the RoHS Directive.

Additional Regulatory Information: None

Section 16: Other Information

HMIS® (II)	
Health:	1
Flammability:	2
Reactivity:	0
PPE:	B



Ratings range from 0 (no hazard) to 4 (severe hazard)

Prepared By: Michelle Rudnick
CRC #: 699A
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Changes since last revision: Removed Product Number
Section 14: Transport Information
Section 15: Regulatory Information

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this MSDS consult your supervisor, a health & safety professional, or CRC Industries.

ACGIH: American Conference of Governmental Industrial Hygienists	NA: Not Applicable
CAS: Chemical Abstract Service	ND: Not Determined
CFR: Code of Federal Regulations	NIOSH: National Institute of Occupational Safety & Health
DOT: Department of Transportation	NFPA: National Fire Protection Association
DSL: Domestic Substance List	NTP: National Toxicology Program
g/L: grams per Liter	OSHA: Occupational Safety and Health Administration
HMIS: Hazardous Materials Identification System	PMCC: Pensky-Martens Closed Cup
IARC: International Agency for Research on Cancer	PPE: Personal Protection Equipment
IATA: International Air Transport Association	ppm: Parts per Million
ICAO: International Civil Aviation Organization	RoHS: Restriction of Hazardous Substances
IMDG: International Maritime Dangerous Goods	STEL: Short Term Exposure Limit
IMO: International Maritime Organization	TCC: Tag Closed Cup
lbs./gal: pounds per gallon	TWA: Time Weighted Average
LC: Lethal Concentration	WHMIS: Workplace Hazardous Materials Information System
LD: Lethal Dose	