

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET**  
**ECO DEGREASER / 2190**  
JUNE 2010  
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HEALTH	1
FIRE	2
REACTIVITY	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

**SECTION 1 – Chemical and Company Identification**

**CHEMICAL FORMULATION:** Soy/Citrus based degreaser

**SECTION 2 – Composition on Ingredients**

Values reported as TWA unless noted.

COMPONENT	CAS #	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR		
					302	355	372
Poly (oxyethylene) Nonylphenol	9016-45-9	1.00-5.00	N/E	N/E	N	N	N
Ethoxylated Octyl Phenol	9036-19-5	1.00-10.0	N/E	N/E	N	N	N
d-Limonene	5989-27-5	10.0-20.0	N/E	N/E	Y	N	N

**SECTION 3 – Hazards Information**

**ROUTES OF ENTRY:** Ingestion, eye & skin.

**EFFECTS OF OVEREXPOSURE:**

**EYE CONTACT:** Moderate to severe irritation, redness, tearing.  
**SKIN CONTACT:** Irritation and defatting with repeated or prolonged contact. Contains a potential skin sensitizer.

**INHALATION:** Irritation of respiratory tract.

**INGESTION:** Gastrointestinal irritation, nausea, vomiting, diarrhea.

**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None

**SECTION 4 – First Aid Measures**

**EYE CONTACT:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**SKIN CONTACT:** Remove contaminated clothing and launder before re-use. Wash with soap and water. If irritation persists, obtain medical attention.

**INHALATION:** Remove person to fresh air. If irritation persists, obtain medical attention.

**INGESTION:** Call a physician or poison control center immediately. Do not induce vomiting unless instructed to do so by a physician or poison control center. Rinse mouth with water, then drink one glass of water. Never give anything by mouth to an unconscious person.

**SECTION 5 – Fire Fighting Measures**

**FLASH POINT:** 165°F **TEST METHOD:** Closed Cup

**FLAMMABLE LIMITS IN AIR, BY % VOLUME:** **UPPER:** N/D **LOWER:** N/D

**EXTINGUISHING MEDIA:** Foam, carbon dioxide, dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES:** Treat as an oil fire. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Use water spray to cool fire-exposed containers. Solvent vapors may cause flashback. Rags soaked with any solvent present a fire hazard and should always be stored in UL listed or Factory Mutual approved covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustions. This product contains antioxidants to retard oxidation.

**SECTION 6 – Accidental Release Measures**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and extinguish all sources of ignition. Contain spill. Soak up with inert absorbent and place in a properly labeled closed container for disposal.

**SECTION 7 – Handling and Storage**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place, away from heat or open flame. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children. Do not cut or weld on empty containers as they may contain combustible residue.

**SECTION 8 – Exposure Controls/Personal Protection**

**RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe vapors or mists.

**VENTILATION:** LOCAL: Recommended MECHANICAL: Not required

**PROTECTIVE GLOVES:** Chemical resistant.

**EYE PROTECTION:** Chemical goggles or safety glasses.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station, protective clothing.

**SECTION 9 – Physical and Chemical Properties**

<b>BOILING POINT (°F):</b>	N/D	<b>SPECIFIC GRAVITY (Water=1):</b>	0.88
<b>VAPOR PRESSURE (mmHg):</b>	N/D	<b>VOC CONTENT (% by weight):</b>	10.0-20.0
<b>VAPOR DENSITY (AIR=1):</b>	N/D	<b>EVAPORATION RATE (Water=1):</b>	N/D
<b>SOLUBILITY IN WATER:</b>	Emulsifies	<b>pH:</b>	N/A
<b>APPEARANCE AND ODOR:</b>	Clear, light yellow liquid; citrus fragrance		

**SECTION 10 – Stability and Reactivity**

**STABILITY:** Stable

**INCOMPATIBILITY:** Strong oxidizing agents.

**CONDITIONS TO AVOID:** Excess heat and open flame.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield oxides of carbon.

**SECTION 11 – Toxicological Information**

Please refer to Section 3 for available information on potential health effects.

**SECTION 12 – Ecological Information**

No specific data is available for this product.

**SECTION 13 – Disposal Consideration**

Consult local environmental authorities.

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.  
NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR  
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**SECTION 14 – Transport Information**

**DOT PROPER SHIPPING NAME:** None

**DOT CLASS:** None

**DOT ID NUMBER:** None

**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, and mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

**SECTION 15 – Regulatory Information**

No data.

**SECTION 16 – Other Information****HAZARDS RATINGS**

	<b>NFPA</b>	<b>KEY</b>
<b>HEALTH</b>	1	4 = Severe
<b>FLAMMABILITY</b>	2	3 = Serious
<b>REACTIVITY</b>	0	2 = Moderate
		1 = Slight
		0 = Minimal

**MSDS LEGEND:**

ACGIH = American Conference of Governmental Industrial Hygienists

C = Ceiling

CAS = Chemical Abstract Service

N/A = Not Applicable

N/D = Not Determined

N/E = Not Established

NFPA = National Fire Protection Association

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit (OSHA)

STEL = Short Term Exposure Limit (15 minute exposure)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average (8 hour exposure)

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

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