

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

PRESTO / 1259
SEPTEMBER 2009
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Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

SECTION 1 – Chemical and Company Identification

CHEMICAL FORMULATION: Pressurized diethyl ether based engine starter

SECTION 2 – Composition on Ingredients

COMPONENT	CAS #	APPROX %	OSHA PEL	ACGIH	EPA 40 CFR		
				TLV	302	355	372
Diethyl Ether	60-29-7	40.0-45.0	400 ppm	400 ppm	Y	N	N
Heptane, related light hydrocarbons	142-82-5	45.0-50.0	500 ppm	400 ppm	N	N	N
Mineral Oil, severely hydrotreated	64742-53-6	<1.0	N/E	N/E	N	N	N
Carbon Dioxide	124-38-9	5.0-10.0	5,000 ppm	5,000 ppm	N	N	N

SECTION 3 – Hazards Information

ROUTES OF ENTRY: Inhalation & skin contact.

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: Moderate to severe irritation.

SKIN CONTACT: Irritation, defatting and dermatitis with prolonged or repeated exposure.

INHALATION: Dizziness, strong anesthesia, intoxication, loss of consciousness.

Aspiration may be a hazard.

INGESTION: Gastrointestinal irritation, nausea, cramps, diarrhea. May be harmful or fatal if swallowed.

INGREDIENTS THAT ARE DEFINED 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. Obtain medical attention if irritation persists.

SKIN CONTACT: Flush skin with water while removing contaminated clothing. Launder clothing separately before reuse. Wash skin with soap and water. If irritation persists, obtain medical attention.

INHALATION: Remove person to fresh air. If breathing has stopped administer artificial respiration. Obtain medical attention.

INGESTION: Contact physician or poison control center immediately. Do not induce vomiting unless instructed by a physician or poison control center. Proper treatment is dependent upon condition of patient and amount ingested.

SECTION 5 – Fire Fighting Measures

FLASH POINT: < -56°F **METHOD:** T.C.C. **NFPA 30B RATING:** 3

FLAMMABLE LIMITS IN AIR, BY % VOLUME: **UPPER:** 48.0 **LOWER:** 1.8

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid possible accumulations of vapors at floor level, as vapor is heavier than air. Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure! Exposure to temperatures above 120°F may cause bursting. Extremely flammable.

SECTION 6 – Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all sources of ignition. CO₂ may be used as a precautionary blanket. Contain spill. Soak up material with inert absorbent material and place in a 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, open flames and sparks. Wash hands before eating or smoking. Do not store at temperatures above 120°F. Keep out of reach of children. Do not puncture or incinerate container.

SECTION 8 – Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mist. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturers recommendations.

VENTILATION: LOCAL: Recommended MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: None.

SECTION 9 – Physical and Chemical Properties

BOILING POINT (°F):	94, for Diethyl ether	SPECIFIC GRAVITY (Water=1):	>1
VAPOR PRESSURE (mmHg):	N/D	VOC CONTENT (% by weight):	85-95
VAPOR DENSITY (AIR=1):	2.5	EVAPORATION RATE (Water=1):	> 1.0
SOLUBILITY IN WATER:	Slight	pH:	N/A
APPEARANCE AND ODOR: Pale yellow to clear liquid, strong ethereal odor.			

SECTION 10 – Stability and Reactivity

STABILITY: Unstable explosive peroxides may be formed and concentrate by evaporation to hazardous levels. This process is favored by prolonged storage with exposure to air and light. Product is generally stable in sealed metal containers.

INCOMPATIBILITY: Strong acids and oxidizers.

CONDITIONS TO AVOID: Excess heat, open flame, sparks.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION MATERIAL: Thermal decomposition may produce oxides of carbon.

SECTION 11 – Toxicological Information

LD₅₀: N/D **LC₅₀:** N/D 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. Dispose of cans in non-incinerated trash only.

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.
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SECTION 14 – Transport Information

D.O.T. PROPER SHIPPING NAME: Consumer Commodity
DOT CLASS: ORM-D **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	
	NFPA	KEY
HEALTH	2	4 = Severe
FLAMMABILITY	4	3 = Serious
REACTIVITY	1	2 = Moderate
OTHER	None	1 = Slight
		0 = Minimal

MSDS LEGEND:

ACGIH = American Conference of Governmental Industrial Hygienists

C = Ceiling level

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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