

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**REALLY WORKS / 1216****JUNE 2103****PAGE 1**

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FIRE	2
REACTIVITY	0
P.P.E.	A

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

SECTION 1 – Chemical and Company Identification**CHEMICAL FAMILY:** Degreaser**SECTION 2 – Composition on Ingredients**

INGREDIENT	CAS #	OSHA PEL	ACGIH TLV
1, 8-p-Menthadiene	5989-27-5	Not Established	Not Established
Propane/n-Butane	68476-86-8	1000 ppm	1000 ppm
Diethylene Glycol Monobutyl Ether	112-34-5	Not Established	25 ppm
Isoparaffinic Hydrocarbon	64742-47-8	5 mg/m3	5 mg/m3
Soy Methyl Ester	67784-80-9	Not Established	Not Established
Alcohol Ethoxylate (C9-C11)	68439-46-3	Not Established	Not Established

SECTION 3 – Hazards Information**EMERGENCY OVERVIEW:** Irritant to skin, eyes, respiratory tract.**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation, Skin**EYES:** May cause irritation, redness.**SKIN:** May cause irritation, localized defatting.**INHALATION:** Causes mild irritation to the respiratory tract.**INGESTION:** May cause gastrointestinal irritation, nausea, diarrhea, vomiting.**CHRONIC HEALTH HAZARDS:** May be toxic to kidneys and liver.**MEDICAL CONDITION AGGRAVATED:** None known**CARCINOGENICITY:****OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A**SECTION 4 – First Aid Measures****EYES:** Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation develops.**SKIN:** Wash thoroughly with soap and water.**INHALATION:** Move to fresh air.**INGESTION:** Do not induce vomiting. Seek medical attention.**SECTION 5 – Fire Fighting Measures****FLASH POINT:** Not Tested**FLAMMABLE LIMITS IN AIR, (% BY VOLUME) UPPER:** Not Tested **LOWER:** Not Tested**EXTINGUISHING MEDIA:** Dry chemical, foam, or Carbon Dioxide (CO₂).**SPECIAL FIRE FIGHTING PROCEDURES:** Wear SCBA in fire situations. Use water spray to cool containers exposed to fire.**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure. Exposure to temperatures above 120°F may cause bursting.**SECTION 6 – Accidental Release Measures****SPILL:** Absorb spill with non-combustible material such as vermiculite, sand or earth.**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not puncture container, wrap container and place in trash collection.**RCRA STATUS:** Waste likely considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).**SECTION 7 – Handling and Storage****HANDLING AND STORAGE:** Store in cool, dry, ventilated area. Exposure to temperatures above 120°F may cause bursting.**OTHER PRECAUTIONS:** Vapors may collect in low lying areas. Keep out of the reach of children. Do not ingest. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.**SECTION 8 – Exposure Controls/Personal Protection****ENGINEERING CONTROLS / VENTILATION:** Use only in well ventilated areas. Local ventilation/exhaust preferred.**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.**PROTECTIVE CLOTHING:** Safety glasses and chemical resistant gloves are recommended.**ADDITIONAL MEASURES:** Wash hands thoroughly after use.**SECTION 9 – Physical and Chemical Properties****APPEARANCE:** Tan Gel**PHYSICAL STATE:** Liquid**FREEZING POINT:** Not Tested**VAPOR DENSITY (AIR=1):** > 1 @ 77°F (25°C)**SPECIFIC GRAVITY (H₂O=1):** 0.85**SOLUBILITY IN WATER:** Slight**VOLATILE ORGANIC COMPOUNDS (VOC):** 9%**ODOR:** Citrus scent**BOILING POINT:** > 212°F (100°C)**VAPOR PRESSURE (mm Hg):** Not Test**EVAPORATION RATE:** Slow**pH:** N/A**VOLATILITY INCLUDING WATER (%):** > 90%**SECTION 10 – Stability and Reactivity****CHEMICAL STABILITY:** Stable**CONDITIONS TO AVOID:** Excessive heat.**INCOMPATIBILITY:** Strong oxidizing agents, strong reducing agents, acids.**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon**HAZARDOUS POLYMERIZATION:** Will not occur**SECTION 11 – Toxicological Information**

TOXICOLOGICAL INFORMATION: Diethylene Glycol n-Butyl Ether (DB) (112-34-5) LD50 (Oral, Rat): 3950 - 9740 mg/kg, (Mouse) 12,400 mg/kg, (Guinea Pig) 3000 - 4970 mg/kg, (Rabbit) 4450 mg/kg; LD50 (Skin, Rabbit): 10,300 mg/kg, (Guinea Pig) 31,700 mg/kg, (Mouse & Rat) 5940 mg/kg; LC50 (Inhalation, Rat): 960 ppm **1,8-p-Menthadiene** (5989-27-5): Oral LD50: Acute: 4400 mg/kg [Rat]. 5600 mg/kg [Mouse]. Dermal LD50: Acute: >5000 mg/kg [Rabbit]. **Distillates, Petroleum, Hydrotreated, Light** (64742-47-8) Oral LD50 (Rat): > 15000 mg/kg, Dermal LD50 (Rabbit): > 3160 mg/kg **Alcohol Ethoxylate (C9-C11)** (68439-46-3) LD50 (Dermal, Rabbit) >5 g/kg; LD50 (Oral, Rat) 1.4 g/kg

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.

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SECTION 12 – Ecological Information

ECOLOGICAL INFORMATION: Diethylene Glycol n-Butyl Ether (DB) (112-34-5) Toxicity to fish LC50 - Lepomis macrochirus - 1,300 mg/l - 96 h; LC50 - Leuciscus idus (Golden orfe) - > 1,000 mg/l - 48 h; Toxicity to daphnia and other aquatic invertebrates, EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h; Toxicity to algae IC50 Desmodemus subspicatus (green algae) > 100 mg/l - 24 h; Toxicity to bacteria LC50 - Pseudomonas putida - 1,170 mg/l - 16 h. **Distillates, Petroleum, Hydrotreated, Lights** (64742-47-8) Not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Biodegradation: Expected to be readily biodegradable. Hydrolysis: Transformation due to hydrolysis not expected to be significant. Photolysis: Transformation due to photolysis not expected to be significant. Atmospheric Oxidation: Expected to degrade rapidly in air.

SECTION 13 – Disposal Consideration

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not puncture container, wrap container and place in trash collection.
RCRA STATUS: Waste likely considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14 – Transport Information

PROPER SHIPPING NAME: Consumer commodity ORM-D
HAZARD CLASS/DIVISION: 2.2
PACKAGING GROUP: None
UN/NA NUMBER: UN 1950

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Ltd. Qty. Class 2
HAZARD CLASS/DIVISION: 2.1
PACKAGING GROUP: None
UN/NA NUMBER: UN 1950

SHIPPING BY WATER: VESSEL (IMO/MDG)

PROPER SHIPPING NAME: Aerosols, Ltd. Qty. Class 2
HAZARD CLASS/DIVISION: 2.1
PACKAGING GROUP: None
UN/NA NUMBER: UN 1950

SECTION 15 – Regulatory Information

TSCA STATUS: All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Diethylene Glycol n-Butyl Ether (DB) (112-34-5)

SARA 311/312 HAZARD CATEGORIES: None
SARA 313 REPORTABLE INGREDIENTS: Diethylene Glycol n-Butyl Ether (DB) (112-34-5)
CLEAN WATER ACT: None
STATE REGULATIONS: California Proposition 65: None **Distillates, Petroleum, Hydrotreated, Light** (64742-47-8) New Jersey RTK, Pennsylvania RTK, Rhode Island RTK **Diethylene Glycol n-Butyl Ether (DB)** (112-34-5) RTK - PA, NJ
INTERNATIONAL REGULATIONS: Glycol Ether DB - 112-34-5: European Union - EINECS, Australia - AICS, Japan - ENCS, Korean - ECL, (WHMIS) Canada
NFPA: Health:2; Flammability:2; Reactivity:0; Other; n/a
HMIS: Health:2; Flammability:2; Reactivity:0; Protection:A

SECTION 16 – Other Information

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