



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1216	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	REALLY WORKS	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Jelled Degreaser	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable Aerosol: Category 1 Liquefied gas Skin Irritant: Category 2 Eye Irritant: Category 2A Aspiration Hazard: Category 1	SIGNAL WORD: DANGER	SYMBOL:	
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HAZARD STATEMENTS:

Extremely Flammable Aerosol.
Contains gas under pressure: May explode if heated.
Causes skin and serious eye irritation.
May be fatal if swallowed and enters airways.
This product contains the following percentage of chemicals of unknown toxicity: 5%

PRECAUTIONARY STATEMENTS:

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight.
Do not expose to temperatures exceeding 50°C/122°F.
Store in a well-ventilated place.
Wash hands thoroughly after handling. Wear protective gloves and eye protection.
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention.
IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting.

Storage: Store locked up.

Disposal: Dispose of contents and container in accordance with local, state, and national regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	Concentration % by Weight	CAS
1, 8-p-Menthadiene	7-13%	5989-27-5
Diethylene Glycol n-Butyl Ether	7-13%	112-34-5
Isoparaffinic Hydrocarbon	30-60%	64742-47-8
1,1-Difluoroethane	7-13%	75-37-6

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

SKIN: If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.

INHALATION:

Move to fresh air.

INGESTION:

If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

ACUTE HEALTH HAZARDS:

Eyes: Redness, tearing, blurred vision.

Skin: Defatting and dermatitis.

CHRONIC HEALTH HAZARDS:

May be toxic to kidneys and liver.

NOTE TO PHYSICIAN:

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical, foam, or carbon dioxide (CO₂).

UNSUITABLE EXTINGUISHING MEDIA:

Water spray/stream.

SPECIFIC FIRE-FIGHTING METHODS:

Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand. Use water mist to keep material cool in firesituations.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:

Refer to Section 8 for proper Personal Protective Equipment.

SPILL:

Absorb spill with non-combustible material such as vermiculite and/or earth.

7. Handling and Storage

HANDLING AND STORAGE:

Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up.

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.

INCOMPATIBILITY:

Strong oxidizing agents, strong reducing agents, acids.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
1, 8-p-Menthadiene	Not established	Not established
Diethylene Glycol n-Butyl Ether	Not established	25 ppm
Isoparaffinic Hydrocarbon	5 mg/m ³	5 mg/m ³
1,1-Difluoroethane	1000 ppm	1000 ppm

PERSONAL PROTECTIVE EQUIPMENT;



RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if exposure limits are exceeded.

EYE PROTECTION: Safety glasses.

SKIN PROTECTION: Chemical resistant gloves.

GENERAL HYGIENE MEASURES: Wash hands thoroughly after handling.

ENGINEERING CONTROLS:

Use only in well-ventilated areas. Local ventilation/exhaust preferred.

9. Physical & Chemical Properties

Appearance:	Opaque tan spray.	Flammability:	Extremely flammable aerosol.
Odor:	Citrus scent.	Flash Point:	Not determined.
Odor Threshold:	1 ppm	Lower Flammability Limit:	Not determined.
pH:	Not applicable.	Upper Flammability Limit:	Not determined.
Boiling Point:	> 212°F (100°C)	Vapor Pressure (mm Hg):	Not applicable.
Freezing Point:	Not determined.	Vapor Density (AIR=1):	> 1 @ 77°F (25°C)
Partition Coeff: n-octanol/water(Kow):	Not determined.	Solubility (water):	Non-soluble.
Viscosity:	Not determined.	Auto-Ignition Temperature:	Not determined.
Evaporation Rate:	Slow.	Decomposition Temperature:	Not determined.
Specific Gravity:	0.875	VOC (%):	10.7%
Volatility Including Water:	95%	Dielectric Strength (Volts):	Not determined.
Solids (%):	Not determined.		

10. Stability & Reactivity Information

REACTIVITY:

If exposed to strong oxidizers, presents explosion hazard.

CHEMICAL STABILITY:

Stable.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents, strong reducing agents, acids.

CONDITIONS TO AVOID:

Excessive heat.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Oxides of carbon.

POSSIBLE HAZARDOUS REACTIONS:

None know.

11. Toxicological Information**TOXICOLOGICAL INFORMATION:**

Diethylene Glycol n-Butyl Ether (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) LD50 (Oral, Rat) 4400 mg/kg (Mouse) 5600 mg/kg; LD50 (Dermal, Rabbit) 5000 mg/kg **Isoparaffinic Hydrocarbon** (64742-47-8) LD50 (Oral, Rat) 5 g/kg; LD50 (Dermal, Rabbit) 2 g/kg; LC50 (Rat, 4 hr) 5 mg/L **Alcohol Ethoxylate (C9-C11)** (68439-46-3) LD50 (Dermal, Rabbit) >5 g/kg; LD50 (Oral, Rat) 1.4 g/kg.

PRIMARY ROUTE 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.**ACUTE/POTENTIAL HEALTH EFFECTS:**

Eyes: Redness, tearing, blurred vision.

Skin: Defatting and dermatitis.

MEDICAL CONDITION AGGRAVATED:

None known.

CHRONIC HEALTH HAZARDS:

May be toxic to kidneys and liver.

CARCINOGENICITY:**OSHA:** No.**ACGIH:** No.**NTP:** No.**IARC:** No.**OTHER:** N/A**12. Ecological Information****ECOLOGICAL INFORMATION:**

Diethylene Glycol n-Butyl Ether (112-34-5) LC50 (Lepomis macrochirus, 96 hr) 1,300 mg/L; LC50 (Leuciscus idus, 48 hr) > 1,000 mg/L; EC50 (Daphnia magna, 48 hr) > 100 mg/L; IC50 (Green Algae, 24 hr) 100 mg/L; LC50 (Pseudomonas Putida, 16 hr) 1,170 mg/L **Isoparaffinic Hydrocarbon** (64742-47-8) Not expected to be harmful or demonstrate chronic toxicity toward aquatic organisms. Expected to be readily biodegradable. Do not contaminate water when disposing of equipment wash waters.

BIODEGRADABILITY:

This product is biodegradable.

BIOACCUMULATION:

This product is not expected to bioaccumulate.

SOIL MOBILITY:

This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS:

None known.

13. Disposal Consideration

Dispose of in accordance with local, state and federal regulations. Do not puncture container, wrap container and place in trash collection.

14. Transportation Information**DOT:** **PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.**HAZARD CLASS/DIVISION:** 2.1**UN/NA NUMBER:** UN1950**PACKAGING GROUP:** N/A**AIR SHIPMENT****PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.**HAZARD CLASS/DIVISION:** 2.1**UN/NA NUMBER:** UN1950**SHIPPING BY WATER:****VESSEL (IMO/IMDG)****PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.**HAZARD CLASS/DIVISION:** 2.1**UN/NA NUMBER:** UN1950**ENVIRONMENTAL HAZARDS WATER:**

N/A

15. Regulatory Information**TSCA STATUS:**

All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

None.

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.**Isoparaffinic Hydrocarbons** (64742-47-8) RTK - PA, NJ, RI**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

RCRA STATUS:

Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261)

16. Other Information

N/A = Not Applicable; N/D = Not Determined

NFPA	Health Hazards: 2	Flammability: 2	Instability: 0	Physical & Chemical Properties: None.
HMIS	Health Hazards: 2	Flammability: 2	Physical hazards: 0	Personal protection: B

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.