



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

SIGNAL WORD:
DANGER

SYMBOL:



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:

Prevention: 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. Wash hands thoroughly after handling. Wear protective gloves and eye protection.

Response: 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. Store in a well-ventilated place.

3. Composition / Information on Ingredients

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

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.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Acute: Eyes: redness, tearing, blurred vision. Skin: Defatting and dermatitis.

Chronic: May be toxic to kidneys and liver.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

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 FIRE EXTINGUISHING MEDIA:

Water spray/stream.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

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

SPECIFIC FIRE-FIGHTING METHODS:

Use water mist to keep material cool in fire situations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear full protective clothing and NIOSH approved SCBA with full facepiece operated in positive pressure or pressure demand.

GENERAL FIRE HAZARDS:

Hazardous Combustion Products: Oxides of carbon.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Refer to Section 8 for proper Personal Protective Equipment.

MATERIALS AND METHODS FOR CLEANUP:

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.

7. Handling and Storage

SAFE STORAGE & INCOMPATIBILITIES:

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. Strong oxidizing agents, strong reducing agents, acids.

SAFE HANDLING:

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.

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

APPROPRIATE ENGINEERING CONTROLS:

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

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:



Eye Protection: Safety glasses.

Skin Protection: Chemical resistant gloves.

Respiratory Protection: Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (section VIII) are exceeded.

General Hygiene Considerations: Wash hands thoroughly after handling.

9. Physical & Chemical Properties

Appearance:	Opaque tan spray.	Flammability (solid/gas):	Extremely flammable aerosol.
Odor:	Citrus scent.	Flammability Limit-lower (%):	Not determined.
Odor Threshold:	1 ppm.	Flammability Limit-upper (%):	Not determined.
pH:	Not applicable.	Vapor Pressure (mm Hg):	Not applicable.
Freezing Point:	Not determined.	Vapor Density (AIR =1):	> 1 @ 77°F (25°C).
Boiling Point:	> 212°F (100°C).	Volatile Organic Compounds (VOC):	9.5%.
Partition Coeff (n-octanol/water):	Not determined.	Solubility (water):	Non-soluble.
Viscosity:	Not determined.	Auto-Ignition Temperature:	Not determined.
Specific Gravity (H2O=1):	0.875.	Decomposition Temperature:	Not determined.
Flash Point:	Not determined.	Evaporation Rate:	Slow.

10. Stability & Reactivity Information

REACTIVITY:

If exposed to strong oxidizers, presents explosion hazard.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Oxides of carbon.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents, strong reducing agents, acids.

CONDITIONS TO AVOID:

Excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

11. Toxicological Information

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 TOXICITY:

Eyes: Redness, tearing, blurred vision. Skin: defatting and dermatitis.

MEDICAL CONDITIONS AGGRAVATED:

None known.

COMPONENTS	SPECIES	TEST RESULTS
Diethylene Glycol n-Butyl Ether (112-34-5)		
Acute		

<i>Dermal</i> LD50	Rabbit Guinea Pig Mouse & Rat	10,300 mg/kg 31,700 mg/kg 5940 mg/kg
<i>Inhalation</i> LC50	Rat	960 ppm
<i>Oral</i> LD50	Rat Mouse Guinea Pig Rabbit	3950 - 9740 mg/kg 12,400 mg/kg 3000 - 4970 mg/kg 4450 mg/kg
1,8-p-Menthadiene (5989-27-5): Oxidized species of 1,8-p-Menthadiene have been shown to cause skin sensitization in humans.		
Isoparaffinic Hydrocarbon (64742-47-8) Eye Damage/Irritation: 2B; Aspiration Hazard: Category 1		
Alcohol Ethoxylate (C9-C11) (68439-46-3)		
Acute <i>Dermal</i> LD50	Rabbit	>5 g/kg
<i>Oral</i> LD50	Rat	1.4 g/kg
CARCINOGENICITY: OSHA: No. ACGIH: No. NTP: No. IARC: No. OTHER: Not applicable.		
CHRONIC EFFECTS: May be toxic to kidneys and liver.		

12. Ecological Information

COMPONENTS	SPECIES		TEST RESULTS
Diethylene Glycol n-Butyl Ether (112-34-5)			
Aquatic			
Crustacea	EC50	Daphnia magna, 48hr	> 100 mg/L
Fish	LC50	Lepomis macrochirus, 96hr Leuciscus idus, 48hr	1,300 mg/L > 1,000 mg/L
Algae	IC50	Green Algae, 24hr	100 mg/L
Bacteria	LC50	Pseudomonas Putida, 16hr	1,170 mg/L
Isoparaffinic Hydrocarbon (64742-47-8)			
Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility. May adsorb to sediments and possibly cause toxic effects to organisms.			
PERSISTENCE AND DEGRADABILITY: This product is biodegradable.			
BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.			
MOBILITY IN SOIL: This product is mobile in soil.			
OTHER ADVERSE EFFECTS: None known.			

13. Disposal Consideration

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

14. Transportation Information

DOT:	UN Number: UN1950 UN Proper Shipping Name: Aerosols, Ltd. Qty. Transport Hazard Class(es) Class: 2.1 Subsidiary Risk: - Label(s): Packing Group: Not available.
IATA:	UN Number: UN1950 UN Proper Shipping Name: Aerosols, Ltd. Qty. Transport Hazard Class(es) Class: 2.1
IMDG:	UN NUMBER: UN1950 UN Proper Shipping Name: Aerosols, Ltd. Qty. Transport Hazard Class(es) Class: 2.1 Environmental Hazards: Not applicable.
RCRA STATUS:	Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

15. Regulatory Information

US FEDERAL REGULATIONS:

TSCA Status: All chemicals are listed or exempt.

CERCLA (Comprehensive Response Compensation and liability act): None.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA):

SARA 311/312 Hazard Categories: None.

SARA 313 Reportable Ingredients: Diethylene Glycol n-Butyl Ether (DB) (112-34-5).

OTHER FEDERAL REGULATIONS

Clean Water Act: None.

US 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.

16. Other Information

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.