







SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1637	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	KAPOW	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Organic Solvent 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 2 Gases Under Pressure: Dissolved Gas Skin Sensitization: Category 1 Aspiration Hazard: Category 1	SIGNAL WORD: DANGER	SYMBOL:				
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HAZARD STATEMENTS:

DANGER: Flammable aerosol. Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. This product contains the following percentage of chemicals of unknown toxicity: N/A

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. Wash hands thoroughly after handling. Avoid breathing mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Wash contaminated clothing before reuse. IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

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

HAZARDS NOT OTHERWISE CLASSIFIED: Not applicable.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Distillates (petroleum), hydrotreated light	64742-47-8	80-100%
D-limonene	5989-27-5	5-10%
Carbon dioxide	124-38-9	1-5%

4. First Aid Measures

EMERGENCY OVERVIEW

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: Wash thoroughly with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

INHALATION:

Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

INGESTION:

Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.

ACUTE HEALTH HAZARDS:

May cause defatting and dermatitis of the skin. Contact with eyes may cause irritation, redness, tearing. Inhalation may cause respiratory tract irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS:

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

NOTE TO PHYSICIAN:

Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.

UNSUITABLE EXTINGUISHING MEDIA:

Water jets or streams.

SPECIAL FIRE FIGHTING PROCEDURES:

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

FLAMMABLE. Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

HAZARDOUS COMBUSTION PRODUCTS:
Oxides of carbon, various hydrocarbons.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:

Refer to Section VIII for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material.

WASTE DISPOSAL:

Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS:

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. Handling and Storage

HANDLING AND STORAGE:

Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Store in a cool, dry area. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well-ventilated area. Do not expose to temperatures exceeding 50°C/122°F. Pressurized Container: Do not pierce or burn, even after use. Wash hands thoroughly after handling.

OTHER PRECAUTIONS:

Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY:

Strong oxidizing agents. Some plastics and painted surfaces, pre-test before using.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated light	N/A	200 mg/m3
d-Limonene	Not Established	Not Established
Carbon dioxide	5000 ppm	5000 ppm

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles and chemical resistant gloves.



Eye/Face Protection: Safety glasses/goggles

Skin Protection: Chemical resistant gloves.

Respiratory Protection: Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

ENGINEERING CONTROLS / VENTILATION:

General ventilation adequate but local exhaust/ventilation preferred.

ADDITIONAL MEASURES:

Wear protective clothing to prevent repeated or prolonged contact with product. Wash hands and clothing in contact with product after use. Contaminated work clothing must not be allowed out of the workplace. No smoking or open flames.

Physical and Chemical Properties			
Appearance:	Clear, colorless spray.	Flammability(solid/gas):	Flammable aerosol
Odor:	Citrus.	Flammability Limit-lower (%):	Not determined
Odor Threshold:	Not determined	Flammability Limit-upper (%):	Not determined
Melting/Freezing Point:	Not determined	Explosive Limit-Lower (%):	Not determined
Initial Boiling Point/Range:	Not determined	Explosive Limit-Upper (%):	Not determined
Viscosity:	Not determined	Vapor Density (AIR=1):	Not determined
Flash Point:	Not determined	Vapor Pressure (mm Hg):	Not determined
Evaporation Rate:	Slow	Relative Density (H2O=1):	0.79 - 0.83 @ 77°F (25°C).
Decomposition Temperature:	Not determined	Solubility(ies):	100% water
Partition Coeff(n-octanol/water) (Kow):	Not determined	Auto-Ignition Temperature:	Not determined

10. Stability & Reactivity Information

REACTIVITY:

None known.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

None known.

CONDITIONS TO AVOID:

Temperatures greater than 122°F and sources of ignition. Avoid incompatibles.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents. Some plastics and painted surfaces, pre-test before using.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Distillates (petroleum), hydrotreated light (64742-47-8): LD50 (Oral, Rat) 5 g/kg; LD50 (Dermal, Rabbit) 2 g/kg; LC50 (Inhalation, Rat, 4h) 5 mg/L.

d-Limonene (5989-27-5): LD50 (Oral, Rat) 4400 mg/kg; LD50 (Mouse) 5600 mg/kg; LD50 (Dermal, Rabbit) 5000 mg/kg.

Carbon dioxide (124-38-9): LC50 (Inhalation, Rat, 30m) 470,000ppm.

ROUTES OF ENTRY: Eyes, Inhalation, Skin

EYES: May cause irritation.

INGESTION: Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

INHALATION: May cause respiratory tract irritation.

SKIN: May cause mild irritation, localized defatting, dryness. May cause an allergic skin reaction.

MEDICAL CONDITION AGGRAVATED:

Pre-existing skin and respiratory disorders.

ACUTE HEALTH HAZARDS:

Prolonged contact with skin may cause irritation. Repeated or prolonged contact may cause defatting and dryness. Contact with eyes may cause irritation, redness, tearing. Inhalation may cause respiratory tract irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

CHRONIC HEALTH HAZARDS:

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: 3 - Not classifiable OTHER: N/A

12. Ecological Information

ECOTOXICITY:

Distillates (petroleum), hydrotreated light (64742-47-8): LC50 (Daphnia, 48h) > 1000 mg/L; EC50 (Algae, 72h) >1000 mg/L.

d-Limonene (5989-27-5): EC50 (Pimephales promelas, 96h) 688 µg/L; EC50 (Daphnia magna, 48h) 421 µg/L.

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

WASTE DISPOSAL:

Dispose of in accordance with local, state and federal regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.

RCRA STATUS:

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14. Transportation Information

DOT PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

SHIPPING BY WATER: VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols.

HAZARD CLASS/DIVISION: 2.1

UN/NA NUMBER: UN1950

PACKING GROUP: N/A

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: Flammable (gases, aerosols, liquids, solids). Gas under pressure. Respiratory or skin sensitization. Aspiration hazard.

SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemicals which are subject to the reporting requirements at Title 40 of the Code of Federal Regulations, Part 372.

CLEAN WATER ACT: None.

STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 7.2%

16. Other Information

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

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.