





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	163811	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	BLAST FORCE	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Contact and Circuit Board Cleaner	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 Dissolved Gas Skin Irritant: Category 2 Eye Irritant: Category 2b Specific Target Organ Toxicity (Single Exposure): Category 3 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 eye and skin irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways. This product contains the following percentage of chemicals of unknown toxicity: 0%

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. Wear protective gloves.
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. Avoid breathing fumes, mist, vapors and spray. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. 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/120°F. Store in a well-ventilated place. Store locked up.
Disposal: Dispose of contents and container in accordance with local, state and national regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

No applicable.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Isopropyl Alcohol	67-63-0	7-13%
Carbon Dioxide	124-38-9	1-5%
Heptane	142-82-5	60-100%

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:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

INGESTION:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice or attention.

ACUTE HEALTH HAZARDS:

Defatting of skin, dermatitis, blurred vision and abdominal irritation.

CHRONIC HEALTH HAZARDS:

None known.

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, carbon dioxide and foam.

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.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

SPECIFIC FIRE-FIGHTING METHODS:

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.

6. Accidental Release Measures

PERSONAL PROTECTIVE EQUIPMENT:

Refer to section VIII for proper Personal Protective Equipment.

SPILL: Clean up with non-combustible material like vermiculite, sand or earth. If many cans are opened remove ignition sources. Prevent spill from entering sewers, storm drains and natural waterways.

WASTE DISPOSAL:

Dispose of in accordance with federal, state and local 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, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. Handling and Storage

HANDLING AND STORAGE:

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Pressurized Container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS:

Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product.

INCOMPATIBILITY:

Strong alkalis, strong oxidizing agents, some plastics, rubber.

8. Exposure Controls / Personal Protection

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	500 ppm	400 ppm
Carbon Dioxide	5000 ppm	5000 ppm
Heptane	500 ppm	400 ppm

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses and chemical resistant gloves



Eye/Face Protection: Safety glasses.

Skin Protection: Chemical resistant gloves.

Respiratory Protection: Not required with adequate ventilation

ENGINEERING CONTROLS / VENTILATION:

Use only in well ventilated areas.

ADDITIONAL MEASURES:

Wash hands thoroughly after handling.

9. Physical & Chemical Properties

Appearance:	Clear Liquid.	Flammability(solid/gas):	Extremely Flammable Aerosol.
Odor:	Mild solvent odor.	Flammability Limit-lower (%):	Not determined.
Odor Threshold:	Not determined.	Flammability Limit-upper (%):	Not determined.
pH:	Not applicable.	Vapor Density (AIR=1):	>2
Freezing Point:	Not determined.	Vapor Pressure (mm Hg):	124
Boiling Point:	Unknown.	Dielectric Strength (Volts):	25,000 Volts
Volatility Including Water (%):	100%	Viscosity:	Not applicable.
Volatile Organic Compounds (VOC):	97%	Solids (%):	Not determined.
Solubility (water):	Non-soluble.	Auto-Ignition Temp:	Not determined.
Flash Point:	Not determined.	Decomposition Temp:	Not determined.
Specific Gravity (H2O=1):	.71	Partition Coeff(n-octanol/water):	Not determined.
Evaporation Rate:	>2.5		

10. Stability & Reactivity Information

REACTIVITY:

If exposed to strong oxidizers, presents explosion hazard.

CHEMICAL STABILITY:

Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

CONDITIONS TO AVOID:

Sources of ignition.

INCOMPATIBLE MATERIALS:

Strong alkalis, strong oxidizing agents, some plastics, rubber.

HAZARDOUS DECOMPOSITION PRODUCTS OR BY-PRODUCT:

Oxides of carbon.

11. Toxicological Information

TOXICOLOGICAL INFORMATION:

Heptane (142-82-5) LD50 (Oral, Rat) 15,000 mg/kg; LC50 (Inhalation, Rat, 4hr) 103 g/m3; LD50 (Dermal, Rabbit) 2,000 mg/kg

Isopropyl Alcohol (67-63-0) LD50 (Oral,Rat) 5045 mg/kg; LD50 (Oral, Rabbit) 5045 mg/kg; LD50 (Dermal, Rabbit) 12800 mg/kg; LC50 (Inhalation, Rat, 8hr) 16000 ppm

PRIMARY ROUTE OF ENTRY: Eyes, Ingestion, Inhalation, Skin

Eyes: Causes irritation, blurred vision.

Skin: Causes localized defatting, irritation.

Inhalation: Causes mild irritation to the respiratory tract.

Ingestion: Causes gastrointestinal irritation.

MEDICAL CONDITION AGGRAVATED:

None known.

ACUTE HEALTH HAZARDS:

Defatting of skin, dermatitis, blurred vision and abdominal irritation.

CHRONIC HEALTH HAZARDS:

None known.

CARCINOGENICITY: OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** Not applicable.

12. Ecological Information

ECOLOGICAL INFORMATION:

Isopropyl Alcohol (67-63-0) LC50 (Fathead Minnow, 96 hrs) 100,000 mg/L

BIODEGRADABILITY:

Component or components of this product are not biodegradable.

BIOACCUMULATION:

Components in this mixture can bioaccumulate in aquatic organisms.

SOIL MOBILITY:

This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS:

Not applicable.

13. Disposal Consideration

WASTE DISPOSAL:

Dispose of in accordance with federal, state and local 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, 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

Packing Group: Not applicable.

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 WATER: None.

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: **Isopropyl Alcohol** (67-63-0)

STATE REGULATIONS: California Proposition 65: None **Heptane** (142-82-5) California Director's List of Hazardous Substances, Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, New Jersey RTK, Massachusetts RTK, Minnesota RTK, Pennsylvania RTK, Rhode Island RTK

Isopropyl Alcohol (67-63-0) Right-to-Know acts for Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey, Tennessee Connecticut hazardous material survey. Isopropyl alcohol Illinois toxic substances disclosure to employee act

INTERNATIONAL REGULATIONS: All components are listed or exempted.

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.