





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1756	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	BOLT BLASTER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Super Powerful Aerosol Penetrating Catalyst & Lubricant	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable aerosols: Category 1 Carcinogenicity: Category 2 Aspiration hazard: Category 1 OSHA defined hazards: Not classified.	SIGNAL WORD: DANGER	SYMBOL:		
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HAZARD STATEMENTS:

Extremely flammable aerosol. May be fatal if swallowed and enters airways. Suspected of causing cancer.

PRECAUTIONARY STATEMENTS:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/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. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF SWALLOWED: Immediately call a poison center/doctor. IF EXPOSED OR CONCERNED: Get medical advice/attention. Do OT induce vomiting.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

SUPPLEMENTAL INFORMATION:

None.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
C12-C14 Isoalkanes	68551-19-9	20-40
Carbon Dioxide	124-38-9	2.5-10
Diethylene Glycol Monobutyl Ether	112-34-5	2.5-10
Naphthalene	91-20-3	2.5-10
Methyl Silicone	556-67-2	1-2.5
Other components below reportable levels		60-80

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

EYES: Rinse with water. Get medical attention if irritation develops and persists.

SKIN: Wash off with soap and water. Get medical attention, if irritation develops and persists.

INHALATION:

If symptoms develop, move victim to fresh air. Get medical attention if symptoms persist.

INGESTION:

Rinse mouth. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Aspiration may cause pulmonary edema and pneumonitis.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Foam. Dry chemicals. Carbon dioxide (CO₂).

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

SPECIFIC FIRE-FIGHTING METHODS:

Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of

other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

GENERAL FIRE HAZARDS:

Extremely flammable aerosol. Combustible.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

MATERIALS AND METHODS FOR CLEANING UP:

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see Section 13 of the SDS.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, watercourses or onto the ground.

7. Handling and Storage

SAFE HANDLING:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

SAFE STORAGE & INCOMPATIBILITIES:

Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls / Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:

US OSHA TABLE Z-1 LIMITS FOR AIR CONTAMINANTS (29 CFR 1910.1000)

COMPONENTS:	TYPE:	VALUE:
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3 5000 ppm
Naphthalene (CAS 91-20-3)	PEL	50 mg/m3 10 ppm

US. ACGIH Threshold Limit Values

COMPONENTS:	TYPE:	VALUE:	FORM:
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)	TWA	5000 ppm	Inhalable Fraction and Vapor
Naphthalene (CAS 91-20-3)	TWA	10 ppm	

US NIOSH: Pocket Guide to Chemical Hazards:

COMPONENTS:	TYPE:	VALUE:
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3 30000 ppm
	TWA	9000 mg/m3 5000 ppm
Naphthalene (CAS 91-20-3)	STEL	75 mg/m3 15 ppm
	TWA	50 mg/m3 10 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

COMPONENTS:	TYPE:	VALUE:
Methyl Silicone (CAS 556-67-2)	TWA	10 ppm

BIOLOGICAL LIMIT VALUE:

No biological exposure limits noted for the ingredient(s).

EXPOSURE GUIDELINES:

US - California OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

ENGINEERING CONTROLS:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:



EYE PROTECTION: Chemical goggles are recommended.

SKIN PROTECTION: Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Use of an impervious apron is recommended.

RESPIRATORY PROTECTION: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

THERMAL HAZARDS: Wear appropriate thermal protective clothing, when necessary.

GENERAL HYGIENE CONSIDERATIONS: Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

APPEARANCE:		FLAMMABILITY: Not available.	
Physical State:	Gas.	Flammability Limit-lower (%)	0.7 % estimated
Form:	Aerosol.	Flammability Limit-upper (%):	5.6 % estimated
Color:	Not available.	Explosive Limit - lower (%):	Not available.
ODOR:	Not available.	Explosive Limit - upper (%):	Not available.
ODOR THRESHOLD:	Not available.	VAPOR PRESSURE:	Not available.
pH:	Not available.	VAPOR DENSITY:	Not available.
MELTING POINT:	Not available.	RELATIVE DENSITY:	Not available.
FREEZING POINT:	Not available.	SOLUBILITY (water):	Not available.
PARTITION COEFFICIENT (n-octanol/water):	Not available.	AUTO-IGNITION TEMP:	Not available.
VISCOSITY:	Not available.	DECOMPOSITION TEMP:	Not available.
SPECIFIC GRAVITY:	0.921 estimated	EVAPORATION RATE:	Not available.
FLASH POINT:	236.5°F (113.6°C) estimated	EXPLOSIVE PROPERTIES:	Not explosive.
OXIDIZING PROPERTIES:	Not oxidizing.	BOILING POINT/RANGE:	Not available.

10. Stability & Reactivity Information

REACTIVITY:

The product is stable and non-reactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY:

Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

Hazardous polymerization does not occur.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

CONDITIONS TO AVOID:

Keep away from heat, sparks and open flame. Contact with incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

No hazardous decomposition products are known.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

EYES: Direct contact with eyes may cause temporary irritation.

SKIN: No adverse effects due to skin contact are expected.

INHALATION: Prolonged inhalation may be harmful.

INGESTION: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Aspiration may cause pulmonary edema and pneumonitis.

ACUTE TOXICITY:

May be fatal if swallowed and enters airways.

COMPONENTS	SPECIES	TEST RESULTS
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2764 mg/kg, 24 Hours
	Rat	2021 mg/kg
<i>Inhalation</i>		
LC50	Rat	74 mg/l/4h
<i>Oral</i>		
LD100	Rabbit	4000 mg/kg
LD50	Mouse	2410 mg/kg
	Rabbit	2500 - 3000 mg/kg

Methyl Silicone (CAS 556-67-2)	Rat	7291 mg/kg
Acute <i>Dermal</i> LD50	Rat	> 2000 mg/kg, 24 Hours > 2.5 ml/kg
<i>Inhalation</i> <i>Aerosol</i> LC50	Rat	36 mg/l, 4 Hours
<i>Oral</i> LD50	Mouse Rat	1700 mg/kg > 4800 mg/kg
Naphthalene (CAS 91-20-3)		
Acute <i>Dermal</i> LD50	Rat	> 16000 mg/kg, 24 Hours > 2500 mg/kg
<i>Inhalation</i> LC50	Rat	> 78 ppm, 4 Hours > 0.4 mg/l, 4 Hours
<i>Oral</i> LD50	Mouse Rat	533 mg/kg > 2000 mg/kg
* Estimates for product may be based on additional component data not shown.		
SKIN CORROSION/IRRITATION: Prolonged skin contact may cause temporary irritation.		
SERIOUS EYE DAMAGE/IRRITATION: Direct contact with eyes may cause temporary irritation.		
RESPIRATORY SENSITIZATION: Not a respiratory sensitizer.		
SKIN SENSITIZATION: This product is not expected to cause skin sensitization.		
GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
CARCINOGENICITY: Suspected of causing cancer. IARC Monographs. Overall Evaluation of Carcinogenicity Naphthalene (CAS 91-20-3) 2B Possibly carcinogenic to humans. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed. US. National Toxicology Program (NTP) Report on Carcinogens Naphthalene (CAS 91-20-3) Reasonably Anticipated to be a Human Carcinogen.		
REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.		
SPECIFIC TARGET ORGAN TOXICITY (single exposure): Not classified.		
SPECIFIC TARGET ORGAN TOXICITY (repeated exposures): Not classified.		
ASPIRATION HAZARD: May be fatal if swallowed and enters airways.		
CHRONIC EFFECTS: Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.		

12. Ecological Information			
ECOTOXICITY: Toxic to aquatic life with long lasting effects.			
COMPONENTS		SPECIES	TEST RESULTS
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)			
Aquatic			
Crustacea	EC50	Daphnia	2803 mg/L, 48 Hours
Fish	LC50	Bluegill (Lepomis macrochirus)	1300 mg/l, 96 hours
		Fish	1304 mg/L, 96 Hours
Naphthalene (CAS 91-20-3)			
Aquatic			
Algae	IC50	Algae	0.4 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2.16 mg/L, 48 Hours
		Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	1.11 - 1.68 mg/l, 96 hours
* Estimates for product may be based on additional component data not shown.			
PERSISTENCE AND DEGRADABILITY: No data is available on the degradability of this product.			
BIOACCUMULATIVE POTENTIAL: Partition coefficient n-octanol / water (log Kow)			
Diethylene Glycol Monobutyl Ether	0.56		
Naphthalene	3.3		
MOBILITY IN SOIL: No data available.			

OTHER ADVERSE EFFECTS:

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Consideration**DISPOSAL INSTRUCTIONS:**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

LOCAL DISPOSAL REGULATIONS:

Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE:

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES/UNUSED PRODUCTS:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste-handling site for recycling or disposal. Do not re-use empty containers.

14. Transportation Information

DOT: **UN NUMBER:** UN1950
UN PROPER SHIPPING NAME: Aerosols, flammable.
TRANSPORT HAZARD CLASS(ES)
 Class: 2.1
 Subsidiary Risk: -
 Label(s): 2.1



PACKING GROUP: Not applicable.
SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.
SPECIAL PROVISIONS: N82
PACKAGING EXCEPTIONS: 306
PACKAGING NON BULK: None.
PACKAGING BULK: None.

IATA: **UN NUMBER:** UN1950
UN PROPER SHIPPING NAME: Aerosols, flammable.
TRANSPORT HAZARD CLASS(ES)
 Class: 2.1
 Subsidiary Risk: --*
 Label(s): 2.1



PACKING GROUP: Not applicable.
ENVIRONMENTAL HAZARDS: Yes.
ERG CODE: 10L
SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.
OTHER INFORMATION:

PASSENGER AND CARGO AIRCRAFT: Allowed with restrictions.
CARGO AIRCRAFT ONLY: Allowed with restrictions.
PACKAGING EXCEPTIONS: LTD QTY

IMDG: **UN NUMBER:** UN1950
UN PROPER SHIPPING NAME: AEROSOLS
TRANSPORT HAZARD CLASS(ES)
 Class: 2.1
 Subsidiary Risk: -
 Label(s): 2.1



PACKING GROUP: Not applicable.
ENVIRONMENTAL HAZARDS:
Marine pollutant: Yes.
EmS: F-D, S-U
SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.
PACKAGING EXCEPTIONS: LTD QTY

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 and the IBC CODE:
 Not applicable.

15. Regulatory Information**US FEDERAL REGULATIONS:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)
 Naphthalene (CAS 91-20-3) Listed.
SARA 304 Emergency release notification: Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA):

Hazard categories: Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes

Pressure Hazard - Yes
Reactivity Hazard - No

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous Chemical: No.

SARA 313 (TRI reporting):

Chemical Name	CAS Number	% by Wt.
Naphthalene	91-20-3	2.5-10

OTHER FEDERAL REGULATIONS

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Naphthalene (CAS 91-20-3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

US STATE REGULATIONS

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Methyl Silicone (CAS 556-67-2)

Naphthalene (CAS 91-20-3)

US. Massachusetts RTK - Substance List

Carbon Dioxide (CAS 124-38-9)

Naphthalene (CAS 91-20-3)

US. New Jersey Worker and Community Right-to-Know Act

Carbon Dioxide (CAS 124-38-9)

Naphthalene (CAS 91-20-3)

US. Pennsylvania Worker and Community Right-to-Know Law

Carbon Dioxide (CAS 124-38-9)

Naphthalene (CAS 91-20-3)

US. Rhode Island RTK

Naphthalene (CAS 91-20-3)

US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Naphthalene (CAS 91-20-3) Listed: April 19, 2002

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

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

HMIS	Health Hazards: 2*	Flammability: 4	Physical hazards: 0	Personal protection: X
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*=Chronic

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.