

# SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

## Section 1: Chemical Product and Company Identification

PRODUCT NAME: **M-Pro7® Grease**  
FORMULA: Preparation/Mixture  
PRODUCT USE: Firearm lubrication

MANUFACTURER'S NAME: Pantheon Enterprises, Inc.  
ADDRESS: 225 West Deer Valley Road  
Phoenix, AZ 85027 USA  
Safety Data Sheet Competent Person: safety@pantheonchemical.com

DISTRIBUTOR'S NAME: Bushnell Outdoor Products  
ADDRESS: 9200 Cody  
Overland Park, KS 66214  
TELEPHONE NUMBER: 913-752-3400  
FAX NUMBER: 913-752-6112

EMERGENCY TELEPHONE NUMBER: Chemtrec 24 hrs: 1-800-424-9300  
Information: 623-780-2296  
Fax: 623-516-0414

DATE PREPARED: August 14, 2013  
DATE REVIEWED: October 7, 2015

## Section 2: Hazards Identification

**GHS Hazard Class:** Skin sensitization (Category 1), H317  
Hazardous to the Aquatic Environment, long-term hazard (Category 3), H412

### GHS Label elements, including precautionary statements:

Pictogram:



Signal word:

Warning

Hazard statement(s):

H317

May cause allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

P102

Keep out of reach of children

P103

Read label before use

P261

Avoid breathing dust/fume/gas/mist/vapors/spray

P272

Contaminated work clothing should not be allowed out of work place.

P273

Avoid release to environment.

P280

Wear protective gloves/ protective clothing/ eye protection.

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P313+P333

Get medical advice/attention IF skin irritation/rash occurs.

P321

Specific treatment (See supplemental first aid instructions on this label).

P362+P364

Take off contaminated clothing and wash it before reuse

P501

Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazard(s) Not Otherwise Classified (HNOC): None known.

HAZARD CLASSIFICATION: Not classified as hazardous based on IATA, IMDG, and DOT.  
APPEARANCE: White, semi-solid.

NFPA RATINGS:

COMPONENT	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
M-Pro7® Grease	1	1	0	--

HMIS RATINGS:

COMPONENT	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
M-Pro7® Grease	1	1	0	--

### Section 3: Composition / Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	CANADA DSL
Fatty acids, C18-unsatd., dimers, bis(2-ethylhexyl) esters	30-60	68424-40-8	Yes
Phenol, Isobutyleneated, phosphate	1-5	68937-40-6	No (NDSL)
1H-Benzotrazole-1-methanamine, N, N-bis(2-ethylhexyl)-ar-methyl-	0.1-1	94270-86-7	Yes

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients presents which, within the current knowledge of the supplier and in the concentration applicable are classified as hazardous to health or the environment and hence require reporting in this section.

### Section 4: First Aid Measures

#### Description of First Aid Measures

**INHALATION:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately.

**SKIN CONTACT:** Rinse contacted area with soap and water. Remove all exposed clothing and wash thoroughly before reuse. If skin irritation or rash occurs: Seek medical attention. In the event of any complaints or symptoms, avoid further exposure.

**EYE CONTACT:** Immediately flush with water for several minutes. If eye irritation persists: Seek medical attention.

**INGESTION:** Rinse out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feel sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

#### Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation: No adverse effects are anticipated from inhalation.  
Symptoms/Injuries After Skin Contact: May cause mild skin irritation. Wash thoroughly with soap and rinse with water.  
Symptoms/Injuries After Eye Contact: Irritation may result from contact with the eye. Rinse immediately with water and seek medical advice.  
Symptoms/Injuries After Ingestion: May be harmful if swallowed. Drink large amount of water. Do NOT induce vomiting. Seek medical advice.

## Indication of any immediate medical attention and special treatment needed

Notes to physician:

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatment:

No specific treatment.

Protection of first-aiders:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## Section 5: Fire-fighting Measures

**Suitable extinguishing media**

In case of fire, use water spray (fog), foam, dry chemicals, or CO<sub>2</sub>

**Special hazards arising from the substance or mixture**

This material is harmful to the aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain

**Hazardous thermal decomposition products**

Decomposition products may include carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds

**Protective actions fire-fighters**

Wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece in positive pressure mode.

## Section 6: Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures**

For non-emergency personnel – No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders – if specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information for non-emergency personnel above.

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution. Water polluting material may be harmful to the environment if released in large quantities.

**Methods and materials for containment and cleaning up**

In case of small spills, move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

In case of large spills, move containers from the spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**Reference to other Sections**

For personal protection reference section 8. For disposal reference section 13.

## Section 7: Handling and Storage

**Precautions for safe handling**

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and

sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Specific uses

This product is used for firearm lubrication.

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

Occupational exposure limits

None.

Environment exposure controls:

Emissions from ventilation or work proseecco equipment should be checked to ensure they comply with the requirements of the environmental protection legislation.

### Exposure controls

Ventilation

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Respiratory protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Protective gloves:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection:

Suitable protective clothing to prevent skin contact including appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Work/hygiene practice:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Protective clothing:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other equipment:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

## Section 9: Physical and Chemical Properties

APPEARANCE – COLOR:

White

PHYSICAL STATE:

Semi-solid

ODOR:

Mild

ODOR THRESHOLD:

Not available

pH:

Not available

MELTING POINT/FREEZING POINT:

Not available

INITIAL BOILING POINT AND BOILING RANGE:

Not available

FLASH POINT:

Open cup: >232.22°C (>450°F) [Cleveland.]

EVAPORATION RATE:

Not available

FLAMMABILITY (Solid, gas):

Not available

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

Not available

VAPOR PRESSURE:

Not available

VAPOR DENSITY (AIR = 1): Not available  
 RELATIVE DENSITY (@25 °C): 1.23g/ml  
 SOLUBILITY (IES): Insoluble in the following materials: cold water and hot water.  
 OXIDIZING PROPERTIES: Not available  
 PARTITION COEFFICIENT: n-octanol/water: Not available  
 AUTO IGNITION TEMPERATURE: Not available  
 DECOMPOSITION TEMPERATURE: Not available  
 VISCOSITY: Not available

## Section 10: Stability and Reactivity

REACTIVITY: No specific test data related to reactivity available for this product or its ingredients.  
 CHEMICAL STABILITY: Stable.  
 CONDITIONS TO AVOID: Do not heat above flash point.  
 INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing materials, acids, and alkalis.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
 HAZARDOUS REACTION: Under normal conditions of storage and use, hazardous reactions will not occur.

## Section 11: Toxicological Information

There is no toxicological information available for the product or mixture.

GHS Required Criteria	Toxicity Criteria	Data	Chemical Constituent
Acute Toxicity	LD50 Oral Rat	>5,000 mg/kg	Phenol, isobutylenated, phosphate
Skin Corrosion/Irritation	Skin Rabbit	Mild irritation	Phenol, isobutylenated, phosphate
Sensitization		No information is available	
Serious Eye Damage / Eye Irritation		No information is available	
Respiratory or Skin Sensitization		No information is available	
Germ Cell Mutagenicity		No information is available	
Carcinogenicity		No information is available	
Reproductive Toxicity		No information is available	
STOST – Single Exposure		No information is available	
STOST – Repeated Exposure		No information is available	
Aspiration Hazard		No information is available	
Ames test		No information is available	

STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Ingestion.

### Potential acute health effects

Eye contact: No known significant effects or critical hazards.  
 Inhalation: No known significant effects or critical hazards.  
 Skin contact: May cause an allergic skin reaction.  
 Ingestion: No known significant effects or critical hazards

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No known significant effects or critical hazards.  
 Inhalation: No known significant effects or critical hazards.  
 Skin contact: Adverse symptoms may include the following: irritation, redness  
 Ingestion: No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate effects: No known significant effects or critical hazards.  
Potential delayed effects: No known significant effects or critical hazards.

#### Long term exposure

Potential immediate effects: No known significant effects or critical hazards.  
Potential delayed effects: No known significant effects or critical hazards.

#### Potential chronic health effects

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
Carcinogenicity: No known significant effects or critical hazards.  
Mutagenicity: No known significant effects or critical hazards.  
Teratogenicity: No known significant effects or critical hazards.  
Developmental effects: No known significant effects or critical hazards.  
Fertility effects: No known significant effects or critical hazards.

## Section 12: Ecological Information

	Environmental Impacts	Chemical Constituents
Toxicity	No information is available.	Phenol, isobutyleneated, phosphate 1H-Benzotriazole-1-methanamine, N, N-bis(2-ethylhexyl)-ar-methyl-
Bioaccumulative potential	LogP <sub>ow</sub> = 4.85, BCF = 1850 Log P <sub>ow</sub> = 6	
Mobility in soil	No information is available.	
Persistence and degradability:	No information is available.	
PBT and vPvB assessment:	No information is available.	
Other adverse effects:	No known significant effects or critical hazards.	

Note: Not all of the ingredients have been tested for ecotoxicity.

## Section 13: Disposal Considerations

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14: Transport Information

**DOT TRANSPORT:** Not Regulated

**ADR = International Carriage of Dangerous Goods by Road** Not Regulated

**RAIL TRANSPORT:** Not Regulated

**SEA TRANSPORT:** IMDG Not Regulated

**AIR TRANSPORT:** IATA/ICAO Not Regulated

**Special precautions for user: Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not available.

## Section 15: Regulatory Information

### TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

TSCA 4(a) Final test rules: Polytetrafluoroethylene  
TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
TSCA 12(b) One-time export: Polytetrafluoroethylene  
US inventory (TSCA 8(b)): All components are listed or exempted.

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

SARA 302/304: None  
SARA 313: None  
SARA 311/312: Yes. See table below:

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate health hazard	Delayed health hazard
1H-Benzotriazole-1-methanamine, N, N-bis(2-ethylhexyl)-ar-methyl-	0.1-1	No	No	No	Yes	No

### CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.  
The California proposition 65 chemical(s) contained in this product are: None

### STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Pennsylvania hazardous substance code(s): Not listed  
New Jersey: Not listed  
New York: Not listed

### CLEAN AIR ACT AMENDMENTS (1990):

#### SECTION 112, HAZARDOUS AIR POLLUTANTS:

This substance is listed Hazardous Air Pollutant: None

CLEAN WATER ACT: None of the chemicals used in the product are listed as a Priority Pollutant in Appendix A to 40 CFR, Part 423—126 Priority Pollutants.

### CANADA:

Components listed on DSL: Fatty acids, C18-unsatd., dimers, bis(2-ethylhexyl) esters, 1H-Benzotriazole-1-methanamine, N, N-bis(2-ethylhexyl)-ar-methyl-

Components listed on NDSL: Phenol, Isobutylenated, phosphate

### WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, Current to February 20, 2012. The classes of controlled products listed in the CPR, Section 32, Part IV, have been reviewed and based on Professional Judgment this product has been determined to not be WHMIS controlled.

### EUROPEAN UNION:

Components listed on the European Community Inventory (EINECS/ELINCS): Phenol, Isobutylenated, phosphate

## Section 16: Other Information

Revision Number: 3.0  
Revision explanation: GHS compliant  
Information Sources: RTECS, ECHA, REACH, OSHA 29CFR 1910.1200

### **Key to abbreviations:**

BCF = Bioconcentration Factor  
DSL = Domestic Substances List  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods  
LogP<sub>ow</sub> = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,  
NDSL = Non-Domestic Substances List  
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

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