

SAFETY DATA SHEET



TOP GUN™ PELLET PLACE PACKS RODENTICIDE

Section 1. Identification

GHS product identifier :	TOP GUN™ PELLET PLACE PACKS RODENTICIDE
EPA Registration No. :	61282-81-56
Product code :	754
Other means of identification :	Bromethalin.
Product type :	Solid.
Identified uses :	Indoor and Outdoor Rodent Control Bait.
Restrictions on use :	Do not use this product in sewers. Do not place near or inside ventilation duct openings. Do not contaminate water, food, feedstuffs, food or feed handling equipment or milk or meat handling equipment or milk or meat handling equipment or surfaces that come into direct contact with food. Do not use in homes or human residences. Do not broadcast bait. Do not apply further than 100 feet from buildings. Do not sell this product in individual containers holding less than 4 pounds of bait.
Supplier's details :	J.T. EATON & CO., INC. 1393 East HIGHLAND Road TWINSBURG, OH 44087 U.S.A. Tel: 330-425-7801 Toll Free: 800-321-3421 Web site: www.jteaton.com
Emergency telephone number (with hours of operation) :	ProPharma: 1-800-498-5743 Poison Control Center: 1-800-222-1222 (human)

Section 2. Hazards identification

OSHA/HCS status :	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture :	None.
<u>GHS label elements</u>	
Hazard pictograms :	None.
Signal word :	None.
Hazard statements :	None.
<u>Precautionary statements</u>	
Prevention :	None.
Response :	None.
Storage :	None.

Section 2. Hazards identification

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : See Section 15 for FIFRA label elements.

Specific Concentration Limits :

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	<10%
Acute dermal toxicity	90 - 100%
Acute inhalation toxicity	90 - 100%
Acute aquatic toxicity	90 - 100%

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification: Bromethalin.

CAS number/other identifiers

CAS number : 63333-35-7.

Product code : 754

Ingredient name	%	CAS number
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Bromethalin	0.01%	63333-35-7
Other Ingredients	>95%	N.A.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center (1-800-222-1222), or doctor, or 1-800-498-5743 for treatment advice.

Inhalation : Not applicable

Skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center (1-800-222-1222), doctor, or 1-800-498-5743 immediately for treatment advice.

Ingestion : Call a poison control center (1-800-222-1222), doctor, or 1-800-498-5743 immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Section 4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Contains the nerve poison bromethalin. This product is not an anticoagulant type rodenticide. For humans or animals ingesting bait and/or showing poisoning signs (such as muscle tremors, loss of hind limb use, or seizures for animals), limit absorption by either emesis or gastric lavage. Sublethal symptoms, if present, would be the result of cerebral edema and should be treated accordingly through administration of an osmotic diuretic and corticosteroid.

Treatment for Pet Poisoning :

If an animal eats this bait, call a veterinarian or 1-800-345-4735 at once.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

Media : Water spray, carbon dioxide and dry chemical. Use extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

Media : None known.

Specific hazards arising from the chemical :

Can release hazardous vapors during a fire.

Special protective

equipment for fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses. Notify authorities if spill has entered watercourse or sewer or has contaminated soil or vegetation.

Methods and materials for containment and cleaning up

Contain and transfer into suitable containers for recovery or disposal.

Section 7. Handling and storage

Precautions for safe handling

As soon as possible, wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear appropriate protective clothing.

Conditions for safe storage

Store in original container in a cool, dry place. Keep away from children and pets. Do not store near foodstuffs. Do not contaminate water, food or feed by storage. Keep containers closed and away from other chemicals. Direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up.

Section 7. Handling and storage

Conditions for safe storage (cont)

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.

Section 8. Exposure controls/personal protection

Control parameters

Exposure limits : Exposure limits are listed below, if they exist.

Bromethalin : None established.

Appropriate engineering

Controls : No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Individual protection measures

Eye/face protection : Not required under normal conditions of use.

Body Protection : Long sleeved shirt.

Skin protection : Waterproof gloves.

Respiratory protection : Not required under normal conditions of use.

Additional User Safety

Requirements : Follow manufacturer's instruction for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables use detergent and hot water. Keep and wash PPE separately from other laundry. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash hands thoroughly after applying bait and before eating, drinking, chewing gum, using tobacco or using the toilet and change into clean clothing.

Section 9. Physical and chemical properties

Appearance

Physical state : Solid (pellet).

Color : Green.

Odor : None.

Odor threshold : Not available.

pH : Not applicable.

Density : Not available.

Melting point : Not applicable.

Flash point : Not applicable.

Vapor pressure : Not applicable.

Evaporation rate : Not applicable.

Solubility : Not available.

Section 9. Physical and chemical properties

Boiling point :	Not applicable.
Vapor density :	Not applicable.
VOC :	Not applicable.
Partition coefficient: n-octanol/ water	Not applicable.
Viscosity :	Not applicable.
Auto-ignition temperature :	Not available.
Decomposition temperature :	Not available.
Lower and upper explosive (flammable) limits :	Not available.
Flammability (solid, gas) :	Not available.

Section 10. Stability and reactivity

Reactivity :	Data is not available.
Chemical stability :	Stable under normal conditions.
Possibility of hazardous Reactions :	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid :	Heat - high temperatures.
Incompatible materials :	None known.
Hazardous decomposition Products :	Oxides of carbon – acrolein – organic compounds.

Section 11. Toxicological information

See product insert and/or packaging for additional information.

Acute toxicity

Product/ingredient name	Result	Species	Dose
Bromethalin	Oral LD50	(rat, female)	9.1 mg/kg
	Oral LD50	(rat, male)	10.7 mg/kg
	Oral LD50	(dog)	4.7 mg/kg
	Oral LD50	(cat)	1.8 mg/kg
	Oral LD50	(rabbit)	13.0 mg/kg
	Oral LD50	(monkey)	5.0 mg/kg
	Dermal LD50	(rabbit)	2000 mg/kg
	Inhalation LC50	(rat)	1 hr 0.024mg/l

Specific target organ toxicity (single exposure) :

Bromethalin: In laboratory animal studies adverse neurological effects were observed.
The NOEL is 25 µg/kg/day and the LOEL is 125 µg/kg/day based on studies in dogs and rats (EPA report).

Specific target organ toxicity (repeated exposure) :

There is no data available.

Potential acute health effects

Eye contact : Slight eye irritation.

Section 11. Toxicological information

Skin contact :	Not a skin irritant.
Respiratory or Skin Sensitization :	Non sensitizing.
Carcinogenicity :	Not considered carcinogenic by NTP, IARC, and OSHA.
Germ Cell Mutagenicity :	Mutagenicity studies were negative for Salmonella typhimurium and in vivo testing
Reproductive Toxicity :	The NOEL for developmental toxicity is 0.5 mg/kg/day (HDT). In laboratory animal studies (rats and rabbits) no adverse developmental effects were observed at this level.
Aspiration Hazard :	Not an aspiration hazard.

Section 12. Ecological information

Ecotoxicity

This product is extremely toxic to mammals and birds. Dogs and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may also be hazardous to aquatic organisms in water adjacent to treated areas.

Product/ingredient name	Result	Species	Exposure
Bromethalin	LC50 EC50	Rainbow Trout Daphnia magna	0.038 mg/l 0.002 mg/l

Mobility in soil : No relevant studies identified.

Persistence and degradability : No relevant studies identified.

Bioaccumulative potential : No relevant studies identified.

Other adverse effects : No relevant studies identified.

Section 13. Disposal considerations

Product Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Do not contaminate water, food or feed by disposal.

Container Disposal : Non refillable container. Do not reuse or refill this container. If Plastic: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration if allowed. If Paper: Dispose of empty container by placing in trash at an approved waste disposal facility or by incineration. In most states burning is not allowed.

Section 14. Transport information

Contact supplier for transport information.

Section 15. Regulatory information

United States TSCA Inventory

This product is excluded from TSCA as it regulated under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

Federal Insecticide, Fungicide, and Rodenticide Act

This is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Section 15. Regulatory information

Following is the hazard information as required on the pesticide label:

Front Panel:

CAUTION
KEEP OUT OF THE REACH OF CHILDREN
MAY BE HARMFUL IF EATEN BY CHILDREN OR PETS

Back Panel:

CAUTION
Harmful if swallowed or absorbed through the skin. Keep away from children, domestic animals, and pets. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. All handlers (including applicators) must wear long sleeved shirt and gloves. Any person who retrieves carcasses or unused bait following application of the product must wear gloves.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to mammals and birds. Dogs and other predatory and scavenging mammals and birds might be poisoned if they feed upon animals that have eaten this bait. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may also be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Canada DSL Inventory

This product is excluded from DSL listing as it is regulated under the Pest Control Products Act when used as a pesticide.

WHMIS Classification

None.
This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the SDS contains all the information required by these regulations.

California Proposition 65

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

SARA Title III Sect. 311/312 Categorization

None.

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: None

Section 16. Other information

NFPA Ratings

NFPA Code for Flammability - 0
NFPA Code for Health - 1
NFPA Code for Reactivity - 0
NFPA Code for Special Hazards – None
HMIS Ratings
HMIS Code for Flammability - 0
HMIS Code for Health - 1
HMIS Code for Physical Hazard – 0
HMIS Code for Personal Protection - See Section 8
*Chronic

Section 16. Other information

Legend

ACGIH: American Conference of Governmental Industrial Hygienists
BOD: Biological Oxygen Demand
CAS#: Chemical Abstracts Service Number
DSL: Domestic Substances List
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act
HDT: Highest Dose Tested
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
LOEL: Lowest Observed Effect Level
N/A: Denotes no applicable information found or available
NFPA: National Fire Protection Association
NOEL: No Observed Effect Level
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
TSCA: Toxic Substances Control Act SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

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Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

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