MATERIAL SAFETY DATA SHEET

TOP GUN™ ALL-WEATHER BAIT BLOCK RODENTICIDE

JT EATON™

1393 East Highland Road
Twinsburg, OH 44087 • U.S.A.

SECTION 1 • IDENTIFICATION

IDENTITY:
TOP GUN ALL-WEATHER BAIT BLOCK RODENTICIDE
EPA Registration No. 67517-66-56
ACTIVE INGREDIENT CHEMICAL NAME: Bromethalin
CHEMICAL FAMILY: Diphenylamines
Manufacturer's Name:
J.T. EATON & CO., INC.
1393 East Highland Road
Twinsburg, Ohio 44087
Prepared by: Bart Baker Date Prepared: June 18, 2012

HMIS Rating:

Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	Safety glasses and Rubber gloves.

Emergency Telephone Number: **1-800-664-9042** or
National Pesticide Telecommunications Network at **1-800-858-7378**
Telephone Number for Information:
9 AM to 5 PM EST - 330-425-7801

SECTION 2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	PEL	STEL	<-OSHA LIMITS -> CEILING	ACGIH TLV	OPTIONAL %
Bromethalin N-Methyl-2,4,-dinitro-N-(2,4,6-tribromophenyl)-6- (Trifluoromethyl) Benzenamine $C_{14}H_7Br_3F_3N_3O_4$	63333-35-7	N/A	N/A	N/A	N/A	0.01

SECTION 3 • PHYSICAL / CHEMICAL DATA

BOILING POINT: (F): N/A
VAPOR PRESSURE: (mm hg): N/A
VAPOR DENSITY: (AIR = 1): N/A
SOLUBILITY IN H_2O: Insoluble
APPEARANCE / ODOR: Green paraffin blocks. Grain like odor.

BULK DENSITY: 42 pounds per cubic foot
MELTING POINT: >130° F
EVAPORATION RATE (Butyl Acetate = 1): N/A
% VOLATILE: Negligible
SPECIFIC GRAVITY (H_2O = 1): N/A

SECTION 4 • FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used) - N/A
FLAMMABLE LIMITS: Not Established LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Same as for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSION HAZARDS: None.

SECTION 5 • REACTIVITY DATA

CHEMICAL STABILITY: Stable.
CONDITIONS TO AVOID: None.

INCOMPATIBLE MATERIALS: None known.
HAZARDOUS POLYMERIZATION: Will not occur

SECTION 6 • HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION?	SKIN?	INGESTION?
NO	YES	YES

HEALTH HAZARDS (ACUTE and CHRONIC):
Toxicity of Bromethalin Bait Blocks.

Dog Oral LD_{50}	47 g/kg	Rabbit LD_{50}	130 g/kg
Cat Oral LD_{50}	18 g/kg	Adult Quail LD_{50}	46 g/kg
Monkey Oral LD_{50}	50 g/kg	Oral (rats) LD_{50}	20 g/kg

CARCINOGENICITY: **NO**

NTP?	IARC MONOGRAPH?	OSHA REGULATED?
NO	NO	NO

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
In the case of an acute massive dose in humans as may occur with ingestion, any of the following signs may be expected: headache, confusion, personality change, tremors, convulsive seizures, coma, marked respiratory distress or death. In the case of human ingestion of sublethal doses (chronic toxicity) the individual should be observed closely for signs of numbness, incoordination, headache, and mild confusion.

SECTION 6 • HEALTH HAZARD DATA continued

FIRST AID PROCEDURES continued:

EYES: Immediately flush eyes with plenty of water for at least 5 minutes.

SKIN: If splashed on skin, wash thoroughly with soap and water.

INHALATION: NONE

INGESTION: The suggested treatment of bromethalin toxicity in the adult human can be divide into three categories. Appropriate dosages for children must be carefully adjusted according to weight. Measures to be taken are:
1. Limit further absorption by inducing emesis. This could be done by agitating the back of the throat, giving 1 or 2 tablespoons of Syrup of Ipecac, etc. This should be followed by administering activated charcoal, milk, beaten eggs, or suspension of flour or starch. NOTE: If no convulsions are present, gastric lavage could be done.
2. Treatment of convulsions by standard anticonvulsant therapy, diazepam, diphenylhydantoin, and barbiturate should be instituted. These treatments have been shown to prolong survival in rats which have received large doses of bromethalin.
3. Treatment of cerebral edema and increased cerebrospinal fluid pressure should be done in the hospital. Treatment of this syndrome would largely depend on the severity since rodent studies have shown that these effects are reversible in large part within seven days. Treatment would involve the use of an osmotic diuretic, such as mannitrol and corticosteroid therapy (dexamethasone) and furosemide.

SECTION 7 • PRECAUTIONS FOR SAFE HANDLING

IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and place in a suitable container.
WASTE DISPOSAL METHOD: Dispose of in an approved landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry place away from foodstuffs.

SECTION 8 • CONTROL MEASURES

RESPIRATORY PROTECTION: N/A
VENTILATION: LOCAL EXHAUST: N/A
SPECIAL: None
MECHANICAL EXHAUST: NONE
PROTECTIVE GLOVES: Chemically impervious gloves.

EYE PROTECTION: Safety glasses as needed for other activities.OTHER PROTECTIVE EQUIPMENT: None
WORK / HYGIENIC PRACTICES: Avoid contact with skin. Wash hands thoroughly, standard good practices.

SECTION 9 • CALIFORNIA ADDENDUM
(PROPOSITION 65) SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65: None

WARNING: N/A WARNING: N/A

SECTION 10 • SARA TITLE III HAZARD CATEGORY

For Reporting Under Sections 311 & 312

Immediate - YES Delayed - YES Fire - NO Reactive - NO Sudden Release of Pressure - NO

SECTION 11 • SHIPPING INFORMATION

HAZARD CLASS: D.O.T. Placarding Not Required

BILL OF LADING DESCRIPTION: Rodenticide ITEM 102120 Class 60

Manufacturer makes no warranty, express or implied, other than indicated on Label and MSDS. Customer assumes all risk of use and/or handling of this material when such use and / or handling is contrary to Label and MSDS.

This product does not meet the definition of any hazard class and therefore is not regulated for DOT, IATA/ICAO, and IMDG transportation.

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