

# MATERIAL SAFETY DATA SHEET

Agrisel USA, Inc.  
715 Bittersweet Trail  
Atlanta, Georgia 30350

Phone: 314/291-6724  
800/424-9300 (after hours)

PRODUCT NAME: Gladiator Wax Block Rodenticide

Date: 09/29/00  
Replaces: 08/14/96

Page 1

## 1. HAZARDOUS INGREDIENTS:

	<u>% w/w</u>
Bromethalin: N-Methyl-2,4,-dinitro-N-(2,4,6-tribromophenyl)- 6-(Trifluoromethyl) Benzenamine	0.01

## 2. PHYSICAL/CHEMICAL CHARACTERISTICS:

Solubility in Water: Insoluble  
Appearance and Odor: Solid green wax block

## 3. FIRE AND EXPLOSION HAZARD DATA:

Extinguishing Media: Same as for surrounding fire.

## 4. REACTIVITY DATA:

Stable.  
Hazardous Polymerization: Will not occur

## 5. HEALTH HAZARD DATA:

### Toxicity of Technical Bromethalin:

Dog Oral LD <sub>50</sub>	4.7 mg/kg
Cat Oral LD <sub>50</sub>	1.8 mg/kg
Monkey Oral LD <sub>50</sub>	5.0 mg/kg
Rabbit Oral LD <sub>50</sub>	13.0 mg/kg
Adult Quail Oral LD <sub>50</sub>	4.6 mg/kg
Oral (rats) LD <sub>50</sub>	2.0 mg/kg
Dermal toxicity (rabbit)	3/6 deaths @ 200 mg/kg
Dermal irritation (rabbit)	None
Ocular irritation (rabbit)	Slight
Inhalation LC <sub>50</sub> 1 hour exposure (rats)	0.024 mg/L

Route(s) of Entry: Skin  
Ingestion

5. HEALTH HAZARD DATA: (cont'd)

Carcinogenicity:                   NTP-No  
  IARC-No  
  OSHA-No

Signs and Symptoms of Exposure:

In the case of an acute massive dose in humans as may occur with ingestion of a concentrate, 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.

Emergency and First Aid Procedure:

In all events, a physician should be consulted. The suggested treatment of bromethalin toxicity in the adult human can be divided into three categories. Appropriate dosages for children must be carefully adjusted according to weight. Measures to be taken are:

1. Limit further absorption by producing 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 that 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 mannitol and corticosteroid therapy (dexamethasone) and furosemide.

Exposures other than by ingestion are much less likely to cause toxicity and should be treated in standard ways. If splashed on the skin, wash thoroughly with soap and water.

Eye contamination should be promptly treated with general eye washing for 15minutes.

6. PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to be Taken 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 area away from foodstuffs.

7. CONTROL MEASURES:

Work/Hygienic Practices: Wash hands thoroughly after handling.

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Agrisel USA, Inc. makes no warranty with respect thereto and disclaims all liabilities from reliance thereon.