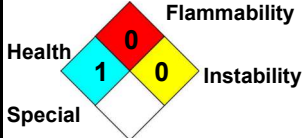





# Material Safety Data Sheet

NFPA	HMIS	WHMIS	TDG	DOT								
	<table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>0</td></tr> <tr><td>Physical hazards</td><td>0</td></tr> <tr><td>Suggested PPE</td><td>E</td></tr> </table>	Health	1	Flammability	0	Physical hazards	0	Suggested PPE	E			
Health	1											
Flammability	0											
Physical hazards	0											
Suggested PPE	E											

## 1 . Product and Company Identification

<b>Product name</b> PRO Ant and Roach Pyroduct	
<b>Synonym</b>	<b>MSDS prepared by the Environment, Health &amp; Safety Department on:</b> 10/29/2013.
<b>Material uses</b> Pesticide	<b>Version</b> 1
<b>MSDS Number</b> 5187080 PCP # - 13074	<b><u>In Case of Emergency</u></b>  <b>Transportation: 1-800-792-8311</b> <b>Medical: 1-877-615-0015</b>
<b>Manufacturer</b> Agrium Advanced Technologies, Inc. 2915 Rocky Mountain Avenue, Suite 400 Loveland, CO. 80538	For more information on Agrium AT or our products, please go to: <a href="http://www.agriumat.com">http://www.agriumat.com</a> or contact us at Toll-Free:800-461-6471

## 2 . Hazards Identification

<b>Physical state</b>	Solid.
<b>OSHA/HCS status</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b><u>Potential acute health effects</u></b>	
<b>Inhalation</b>	May irritate the respiratory tract if inhaled.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	Slightly irritating to the skin.
<b>Eyes</b>	Slightly irritating to the eyes.
<b><u>Potential chronic health effects</u></b>	
<b>Chronic effects</b>	Contains material that may cause target organ damage, based on animal data.
<b>Carcinogenicity</b>	Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	No known significant effects or critical hazards.
<b>Teratogenicity</b>	No known significant effects or critical hazards.
<b>Developmental effects</b>	No known significant effects or critical hazards.
<b>Fertility effects</b>	No known significant effects or critical hazards.
<b>Target organs</b>	Contains material which may cause damage to the following organs: lungs.
<b><u>Over-exposure signs/symptoms</u></b>	
<b>Inhalation</b>	No specific data.
<b>Ingestion</b>	No specific data.

## 2 . Hazards Identification

<b>Skin</b>	Adverse symptoms may include the following: irritation redness
<b>Eyes</b>	Adverse symptoms may include the following: irritation watering redness
<b>Medical conditions aggravated by over-exposure</b>	Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.
See toxicological information (Section 11)	

## 3 . Composition / Information on Ingredients

### United States

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Talc , containing asbestiform fibres	14807-96-6	60 - 100
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	0.8

### Canada

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Talc , containing asbestiform fibres	14807-96-6	60 - 100
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	0.8

### Mexico

<u>Name</u>	<u>CAS number</u>	<u>UN number</u>	<u>%</u>	<u>IDLH</u>	<u>Classification</u>			
					<u>H</u>	<u>F</u>	<u>R</u>	<u>Special</u>
Talc , containing asbestiform fibres	14807-96-6	Not available.	60 - 100	1000 mg/m <sup>3</sup>	1	0	0	
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	51-03-6	UN2810	0.8	-	3	1	0	

**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.**

## 4 . First Aid Measures

<b>Eye contact</b>	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical advice if symptoms or conditions persist.
<b>Skin contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Seek medical advice if irritation or symptoms persist.
<b>Inhalation</b>	If inhalation occurs, remove individual(s) to fresh air. Loosen restrictive clothing items if necessary. If individual has irregular or difficulty breathing or is under respiratory arrest seek medical attention immediately. If other conditions or symptoms develop contact a physician.
<b>Ingestion</b>	If ingestion occurs, rinse mouth with copious amounts of water. Do Not induce vomiting unless directed to do so by trained medical personnel. Do Not give anything by mouth to unconscious individuals. Seek immediate medical attention.

## 4 . First Aid Measures

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.

**Notes to physician** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5 . Fire-fighting Measures

**Flammability of the product** No specific fire or explosion hazard.

### Extinguishing media

**Suitable** Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** None known.

**Special exposure hazards** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products** Decomposition products may include the following materials:  
metal oxide/oxides

**Special protective equipment for fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 . Accidental Release Measures

**Personal precautions** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. 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 (see Section 8).

**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 (sewers, waterways, soil or air).

### Methods for cleaning up

**Small spill** Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, 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.

## 7. Handling and Storage

### Handling

Put on appropriate personal protective equipment (see Section 8). 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. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.

### Storage

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. Keep out of reach of children.

## 8. Exposure Controls / Personal Protection

### United States

Ingredient	Exposure limits
Talc , containing asbestiform fibres	<p><b>ACGIH TLV (United States, 2/2010).</b> TWA: 0.1 f/cc 8 hour(s).</p> <p><b>NIOSH REL (United States, 6/2009).</b> TWA: 2 mg/m<sup>3</sup> 10 hour(s). Form: Respirable fraction</p> <p><b>OSHA PEL Z3 (United States, 9/2005).</b> TWA: 20 mppcf 8 hour(s). Form: not containing asbestos STEL: 1 f/cc 30 minute(s). Form: not containing asbestos TWA: 0.1 f/cc 8 hour(s). STEL: 1 f/cc 30 minute(s).</p>

### Canada

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling				
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	Notations	
Talc , containing asbestiform fibres	US ACGIH 2/2010	-	0.1 f/cc	-	-	-	-	-	-	-		
	BC 9/2010	-	-	2	-	-	-	-	-	-	[a]	
	ON 7/2010	-	0.1 f/cc	-	-	-	-	-	-	-	-	[b]
		-	-	2	-	-	-	-	-	-	-	[c]
	QC 6/2008	-	2 f/cc	-	-	-	-	-	-	-	[d]	

**Form:** [a]Respirable [b]Respirable fraction: means that size fraction of the airborne particulate deposited in the gas-exchange region of the respiratory tract and collected during air sampling with a particle size-selective device that, (a) meets the ACGIH particle size-selective sampling criteria for airborne particulate matter; and (b) has the cut point of 4 µm at 50 per cent collection efficiency. [c]The value is for particulate matter containing no asbestos and < 1 per cent crystalline silica. [d]Respirable dust.

### Mexico

Ingredient	Exposure limits
Talc , containing asbestiform fibres	<p><b>NOM-010-STPS (Mexico, 9/2000).</b> LMPE-PPT: 2 mg/m<sup>3</sup> 8 hour(s).</p>

**Consult local authorities for acceptable exposure limits.**

## 8 . Exposure Controls / Personal Protection

<b>Recommended monitoring procedures</b>	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
<b>Engineering measures</b>	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Hygiene measures</b>	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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protection

<b>Respiratory</b>	Use a properly fitted, air-purifying or air-fed 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.
<b>Hands</b>	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.
<b>Eyes</b>	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 or dusts.
<b>Skin</b>	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.

**Personal protective equipment (Pictograms)**



### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and Chemical Properties

<b>Physical state</b>	Solid.
<b>Color</b>	White.
<b>VOC</b>	0.8 % (w/w)

## 10 . Stability and Reactivity

<b>Chemical stability</b>	The product is stable.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Hazardous polymerization</b>	Under normal conditions of storage and use, hazardous polymerization will not occur.

## 10 . Stability and Reactivity

<b>Conditions to avoid</b>	No specific data.
<b>Materials to avoid</b>	No specific data.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological Information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Talc , containing asbestiform fibres	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

### Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Talc , containing asbestiform fibres	A1	1	-	-	-	-

### Canada

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	LD50 Dermal	Rabbit	200 mg/kg	-
	LD50 Oral	Rat	6150 mg/kg	-

Product/ingredient name	Result	Species	Score	Exposure	Observation
Talc , containing asbestiform fibres	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

### Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Talc , containing asbestiform fibres	A1	1	-	-	-	-

### Mexico

#### Acute toxicity

## 11 . Toxicological Information

Product/ingredient name	Result	Score	Score	Exposure	Observation
Talc , containing asbestiform fibres	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-

### Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Talc , containing asbestiform fibres	A1	1	-	-	-	-

## 12 . Ecological Information

**Environmental effects** No known significant effects or critical hazards.

### United States

### Canada

### Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
2-(2-butoxyethoxy)ethyl 6-propylpiperonyl ether	-	Acute EC50 100 ppb Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute EC50 0.51 ppm Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute LC50 4.2 mg/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 0.7 g	96 hours
	-	Acute LC50 3.4 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 0.6 g	96 hours
	-	Acute LC50 1.9 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 1 g	96 hours
	-	Acute LC50 1.8 mg/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 1 g	96 hours
	-	Acute LC50 1.06 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Acute LC50 4000 ppb Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours

## 12 . Ecological Information

-	Acute LC50 1860 ppb Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
-	Acute LC50 13.4 to 18 ppb Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
-	Acute LC50 8.8 ppb Marine water	Fish - Sheepshead minnow - Cyprinodon variegatus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
-	Acute LC50 2.4 to 3.2 ppb Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
-	Acute LC50 3.94 ppm Marine water	Fish - Sheepshead minnow - Cyprinodon variegatus	96 hours
-	Acute LC50 2830 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - <=48 hours	48 hours
-	Acute LC50 1620 ug/L Fresh water	Daphnia - Water flea - Daphnia pulex - <=48 hours	48 hours
-	Acute LC50 1000 ug/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - <=48 hours	48 hours
-	Acute LC50 650 ug/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
-	Acute LC50 330 ug/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours

Mexico



## 13 . Disposal Considerations




### Waste disposal

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. 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 emptied 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.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14 . Transport Information

Regulatory information	UN number	Shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
Mexico Classification	Not regulated.	-	-	-		-

PG\* : Packing group

## 15 . Regulatory Information

### United States

#### HCS Classification

Carcinogen  
Target organ effects

#### U.S. Federal regulations

**TSCA 8(a) IUR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** Not determined.

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** No products were found.

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:**

Talc, containing asbestiform fibres: Immediate (acute) health hazard, Delayed (chronic) health hazard

**Clean Air Act (CAA) 112 accidental release prevention:** No products were found.

## 15 . Regulatory Information

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) Not listed

Clean Air Act Section 602 Class I Substances Not listed

Clean Air Act Section 602 Class II Substances Not listed

DEA List I Chemicals (Precursor Chemicals) Not listed

DEA List II Chemicals (Essential Chemicals) Not listed

### State regulations

**Connecticut Carcinogen Reporting:** None of the components are listed.  
**Connecticut Hazardous Material Survey:** None of the components are listed.  
**Florida substances:** None of the components are listed.  
**Illinois Chemical Safety Act:** None of the components are listed.  
**Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.  
**Louisiana Reporting:** None of the components are listed.  
**Louisiana Spill:** None of the components are listed.  
**Massachusetts Spill:** None of the components are listed.  
**Massachusetts Substances:** The following components are listed: SOAPSTONE  
**Michigan Critical Material:** None of the components are listed.  
**Minnesota Hazardous Substances:** None of the components are listed.  
**New Jersey Hazardous Substances:** The following components are listed: SOAPSTONE  
**New Jersey Spill:** None of the components are listed.  
**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.  
**New York Acutely Hazardous Substances:** None of the components are listed.  
**New York Toxic Chemical Release Reporting:** None of the components are listed.  
**Pennsylvania RTK Hazardous Substances:** The following components are listed: SOAPSTONE DUST  
**Rhode Island Hazardous Substances:** None of the components are listed.

United States inventory (TSCA 8b) Not determined.

### Canada

WHMIS (Canada) Class D-2A: Material causing other toxic effects (Very toxic).

Canadian lists  
**CEPA Toxic substances:** None of the components are listed.  
**Canadian ARET:** None of the components are listed.  
**Canadian NPRI:** None of the components are listed.  
**Alberta Designated Substances:** None of the components are listed.  
**Ontario Designated Substances:** None of the components are listed.  
**Quebec Designated Substances:** None of the components are listed.

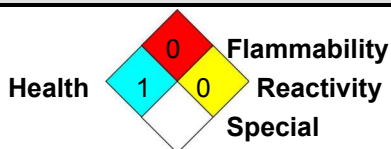
Canada inventory All components are listed or exempted.

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

### Mexico

Classification

## 15 . Regulatory Information



### EU regulations

Hazard symbol or symbols



Risk phrases

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S29- Do not empty into drains.  
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.

### International regulations

International lists

**Australia inventory (AICS):** All components are listed or exempted.  
**China inventory (IECSC):** All components are listed or exempted.  
**Japan inventory:** Not determined.  
**Korea inventory:** All components are listed or exempted.  
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.  
**Philippines inventory (PICCS):** All components are listed or exempted.

Chemical Weapons Convention List Schedule I Chemicals

Not listed

Chemical Weapons Convention List Schedule II Chemicals

Not listed

Chemical Weapons Convention List Schedule III Chemicals

Not listed

## 16 . Other information

Label requirements

MAY CAUSE EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER.

Hazardous Material Information System (U.S.A.)

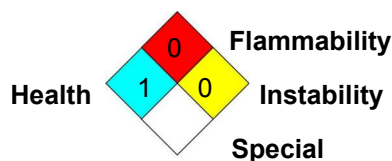
Health	1
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

## 16 . Other information

National Fire Protection  
Association (U.S.A.)



Date of issue 10/29/2013.

Version 1

▣ Indicates information that has changed from previously issued version.

### Notice to Reader:

The buyer assumes all risk in connection with the use of this material. The buyer assumes all responsibility for ensuring this material is used in a safe manner in compliance with applicable environmental, health and safety laws, policies and guidelines. Agrium Inc. assumes no responsibility or liability for the information supplied on this sheet, including any damages or injury caused thereby. Agrium Inc. does not warrant the fitness of this material for any particular use and assumes no responsibility for injury or damage caused directly or indirectly by or related to the use of the material. The information contained in this sheet is developed from what Agrium Inc. believes to be accurate and reliable sources, and is based on the opinions and facts available on the date of preparation.