

**Cheminova, Inc.**  
**Material Safety Data Sheet**  
**Garant™ PRO 75 WSP**

MSDS Number: R000021719  
MSDS Version 2.1

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Name:** Garant™ PRO 75 WSP

**Product use:** For use by individuals/firms licensed or registered by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the structural pest control regulatory agency of your state prior to use of this product. For prevention or control of subterranean termites, drywood termites, dampwood termites, carpenter ants, and other wood-infesting insects.

**Supplier's name and address:**

**Cheminova Inc.**

1700 Route 23, Suite 300

Wayne, NJ, USA

07470

Phone #: (973) 305-6600 (8 AM to 5:00 PM EST, Monday to Friday)

**Emergency Telephone #:** 1-866-303-6950 (Medical Emergencies)  
1-800-424-9300 (24 Hr. Chemtrec Number)

**MSDS Prepared by:** Cheminova Inc.

**MSDS Preparation date:** December 6, 2005

**Revision date:** December 6, 2005

**Revision reasons:** New MSDS

**Manufacturer's name and address:**

Refer to supplier.

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>% by Weight</u>	
		Minimum	Maximum
Imidacloprid	138261-41-3	72.7	77.2
Sodium Aluminum Silicate	1344-00-9		

**SECTION 3. HAZARDS IDENTIFICATION**

*NOTE: Please refer to Section 11 for detailed toxicological information.*

**Emergency Overview**

Caution! Hazard to humans and domestic animals. Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes and clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before re-use.

**Physical State** Solid powder

**Odor** none

**Appearance** Light brown

**Immediate Effects**

**Eye** Avoid contact with the eyes. Causes eye irritation.

**Skin** Avoid contact with skin, eyes and clothing. Harmful if absorbed through skin.

**Cheminova, Inc.**  
**Material Safety Data Sheet**  
**Garant™ PRO 75 WSP**

MSDS Number: R000021719  
MSDS Version 2.1

**Ingestion** Harmful if swallowed.  
**Inhalation** Avoid breathing dust or spray mist. Harmful if inhaled.

**SECTION 4. FIRST AID MEASURES**

**General** Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of poisoning, call the Medical Emergency Telephone Number on page 1.

**Eye** 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 or doctor for treatment advice.

**Skin** Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

**Ingestion** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious or convulsing person.

**Inhalation** Remove to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or Poison Control Centre immediately.

**Notes to Physician Treatment** Treat symptomatically. There is no antidote.

**SECTION 5. FIRE FIGHTING MEASURES**

**Flash Point** > 93.3 °C / > 199.9 °F

**Suitable Extinguishing Media** water, carbon dioxide (CO2), foam, dry chemical

**Fire Fighting Instructions** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.  
In the event of fire, wear self-contained breathing apparatus.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**General and Disposal** Use proper protective equipment to minimize personal exposure (see Section 8). Sweep up spilled material. Place in a container for disposal.

**Cheminova, Inc.**  
**Material Safety Data Sheet**  
**Garant™ PRO 75 WSP**

MSDS Number: R000021719  
MSDS Version 2.1

**Land Spill or Leaks** Isolate area and keep unauthorized people away. Avoid dust formation. Avoid breathing dust. Avoid contact with skin. Use recommended protective equipment while carefully sweeping up spilled material. Place in an approved chemical waste container for disposal.  
Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

**SECTION 7. HANDLING AND STORAGE**

**Storing Procedures** Do not contaminate water, food, or feed by storage or handling. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Work/Hygienic Procedures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**Min/Max Storage Temperatures** No minimum / 30 day average temperature not to exceed 100°F (38°C).

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls** Use with local exhaust ventilation. When handlers used closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Eye/Face Protection** tightly fitting safety goggles

**Hand Protection** Chemical resistant gloves made of waterproof material such as polyethylene or polyvinyl chloride

**Body Protection** Wear long-sleeved shirt and long pants and shoes plus socks.

**Respiratory Protection** No personal respiratory protective equipment normally required. When respiratory protection is necessary under the conditions of use, wear a respirator approved by the National Institute for Occupational Safety and Health (NIOSH).

**General Protection** Educate and train employees in safe use of the product. Follow all label instructions.  
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water.

**Exposure Limits**

Sodium aluminum silicate	1344-00-9	ACGIH	TWA	2 mg/m3
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**Cheminova, Inc.**  
**Material Safety Data Sheet**  
**Garant™ PRO 75 WSP**

MSDS Number: R000021719  
MSDS Version 2.1

Expressed as NIOSH	REL	as AI	2 mg/m3
Expressed as OSHA Z1A	TWA	as AI	2 mg/m3
Expressed as		as AI	

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	light brown
<b>Physical State</b>	solid powder
<b>Odor</b>	none
<b>pH</b>	6 - 8 Determined as a 1% suspension in distilled water.
<b>Bulk Density</b>	30 lbs/cu.-ft.
<b>Water Solubility</b>	dispersible

**SECTION 10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Incompatibility</b>	None known.
<b>Hazardous Decomposition Products</b>	Proposed compounds due to fire or other extreme conditions: Hydrogen chloride (HCl) Hydrogen cyanide (hydrocyanic acid) Carbon monoxide Nitrogen oxides (NOx)
<b>Hazardous Polymerization (Conditions to Avoid)</b>	Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Only acute toxicity studies have been conducted on this product as formulated. The non-acute information pertains to the active ingredient, imidacloprid.

<b>Acute Oral Toxicity</b>	male rat: LD50: 2,591 mg/kg female rat: LD50: 1,858 mg/kg
<b>Acute Dermal Toxicity</b>	male/female rabbit: LD50: > 2,000 mg/kg

**Cheminova, Inc.**  
**Material Safety Data Sheet**  
**Garant™ PRO 75 WSP**

MSDS Number: R000021719  
MSDS Version 2.1

**Acute Inhalation Toxicity** male rat: LC50: 2.65 mg/l  
Exposure time: 4 h  
Determined in the form of liquid aerosol.  
(actual)  
female rat: LC50: 2.75 mg/l  
Exposure time: 4 h  
Determined in the form of liquid aerosol.  
(actual)  
male rat: LC50: 10.6 mg/l  
Exposure time: 1 h  
Determined in the form of liquid aerosol.  
Extrapolated from the 4 hr LC50.  
(actual)  
female rat: LC50: 11.0 mg/l  
Exposure time: 1 h  
Determined in the form of liquid aerosol.  
Extrapolated from the 4 hr LC50.  
(actual)

**Skin Irritation** rabbit: Slight irritation.

**Eye Irritation** rabbit: Mild eye irritation.

**Sensitization** guinea pig: Non-sensitizing

**Subchronic Toxicity** In a 3-week dermal toxicity study, rabbits treated with imidacloprid showed no local or systemic effects at levels up to and including 1000 mg/kg, the limit dose.  
  
In a 4-week inhalation study, rats exposed to high concentrations of imidacloprid exhibited decreased body weight gains and changes in clinical chemistries and organ weights.

**Chronic Toxicity** In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroids and/or liver.

**Assessment Carcinogenicity**

In oncogenicity studies in rates and mice, imidacloprid was not considered carcinogenic in either species.

**ACGIH**  
None.  
**NTP**  
None.  
**IARC**  
None.  
**OSHA**  
None.

**Reproductive & Developmental Toxicity** REPRODUCTION: In a two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with maternal toxicity.  
DEVELOPMENTAL TOXICITY: In developmental toxicity studies in rats and

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**Material Safety Data Sheet**  
**Garant™ PRO 75 WSP**

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MSDS Version 2.1

rabbits, there was no evidence of an embryonic or teratogenic potential for imidacloprid. In both species, developmental effects were observed only at high doses and in conjunction with maternal toxicity.

- Neurotoxicity** In acute and subchronic neurotoxicity screening studies in rats, imidacloprid produced slight neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes observed in the neural tissues.
- Mutagenicity** The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

**SECTION 12. ECOLOGICAL INFORMATION**

- Environmental Precautions** Highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.  
This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Do not allow material to contaminate ground water system.

**SECTION 13. DISPOSAL CONSIDERATIONS**

- General Disposal Guidance** Follow container label instructions for disposal of wastes generated during use in compliance with the product label. In other situations, bury in an approved landfill or burn in an incinerator approved for pesticide destruction.  
Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
- Container Disposal** Empty remaining contents. Triple rinse containers. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.
- RCRA Classification** Not Regulated under this Statute

**SECTION 14. TRANSPORT INFORMATION**

- DOT CLASSIFICATION:**  
Not regulated for Domestic Surface Transportation
- FREIGHT CLASSIFICATION:**  
Insecticides or Fungicides, N.O.I., other than poison

**Cheminova, Inc.**  
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MSDS Number: R000021719  
MSDS Version 2.1

**SECTION 15. REGULATORY INFORMATION**

**US Federal Regulations**

**TSCA list**

Sodium Aluminum Silicate 1344-00-9

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None.

**SARA Title III - Section 302 - Notification and Information**

None.

**SARA Title III - Section 313 - Toxic Chemical Release Reporting**

None.

**US States Regulatory Reporting**

**CA Prop65**

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

**US State Right-To-Know Ingredients**

None.

**Canadian Regulations**

**Canadian Domestic Substance List**

Sodium Aluminum Silicate 1344-00-9.

**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**SECTION 16. OTHER INFORMATION**

**NFPA**

Health - 1      Flammability - 1      Reactivity - 1      Others - none

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

™Garant is a trademark of Cheminova.