



# MATERIAL SAFETY DATA SHEET

Revision date: 12-Sep-2005

Version: 1.0

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Pfizer Animal Health  
Pfizer Inc  
235 East 42nd Street  
New York, NY 10017

Emergency telephone number: 1-866-531-8896 (24 hrs.)  
Telephone: 1-800-366-5288

### Material Name: Solitude IGR (2.12% cyromazine)

Trade Name: SOLITUDE  
Synonyms: None  
Chemical Family: Triazine  
Intended Use: insecticide

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous

Ingredient	CAS Number	EU EINECS List	%
Cyromazine	66215-27-8	266-257-8	2.12%

Ingredient	CAS Number	EU EINECS List	%
Non-hazardous Ingredients	Proprietary	Not listed	97.88

**Additional Information:** Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

## 3. HAZARDS IDENTIFICATION

**Appearance:** Brown to dark green pellets

**Statement of Hazard:** Non-hazardous in accordance with international standards for workplace safety.

**Short Term:** May cause eye irritation. Not a skin irritant . Not a skin sensitizer . Not acutely toxic .  
**Long Term:** Repeat-dose studies in animals have shown a potential to cause adverse effects on blood and blood forming organs and liver.

**EU Indication of danger:** Not classified

**Note:** This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the active substance or its intermediates regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

## 4. FIRST AID MEASURES

**Eye Contact:** Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

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<b>Skin Contact:</b>	Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
<b>Inhalation:</b>	Remove to fresh air and keep patient at rest. Seek medical attention immediately.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Use carbon dioxide, dry chemical, or water spray.
<b>Hazardous Combustion Products:</b>	Formation of toxic gases is possible during heating or fire.
<b>Fire Fighting Procedures:</b>	During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.
<b>Fire / Explosion Hazards:</b>	Fine particles (such as dust and mists) may fuel fires/explosions.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Health and Safety Precautions:</b>	Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.
<b>Measures for Cleaning / Collecting:</b>	Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.
<b>Measures for Environmental Protections:</b>	Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
<b>Additional Consideration for Large Spills:</b>	Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

### 7. HANDLING AND STORAGE

<b>General Handling:</b>	Use appropriate ventilation. Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Store in a dry, well-ventilated area. Keep container tightly closed when not in use.
<b>Storage Temperature</b>	Store as directed by product packaging.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls:</b>	General room ventilation is adequate unless the process generates dust, mist or fumes. Local and general ventilation should be used as necessary, when handling this material in bulk.
<b>Personal Protective Equipment:</b>	
<b>Hands:</b>	Wear impervious gloves if skin contact is possible.
<b>Eyes:</b>	Safety glasses or goggles
<b>Skin:</b>	Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.
<b>Respiratory protection:</b>	Respiratory protection is recommended as a precaution to minimize exposure when handling this material in bulk.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Pellets	Color:	Brown to dark green
Molecular Formula:	Mixture	Molecular Weight:	Mixture
Water solubility:	1.1% @ 20°C		
pH:	6.1		
Specific Gravity:	0.69 g/mL		

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of use.  
**Conditions to Avoid:** Fine particles (such as dust and mists) may fuel fires/explosions.  
**Incompatible Materials:** As a precautionary measure, keep away from strong oxidizers.

### 11. TOXICOLOGICAL INFORMATION

**General Information:** The information included in this section describes the potential hazards of the active ingredient.

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### **Cyromazine**

Rat Oral LD50 > 3387 mg/kg

Rabbit Dermal LD50 > 3100 mg/kg

Rat Inhalation LC50/4h > 3.59 mg/L

**Acute Toxicity Comments:** A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

#### Irritation / Sensitization: (Study Type, Species, Severity)

##### **Cyromazine**

Skin Sensitization - GPMT Guinea Pig No effect

Skin Irritation Rabbit Non-irritating

Eye Irritation Rabbit Mild

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

##### **Cyromazine**

6 Month(s) Dog Oral 0.75 mg/kg/day NOEL Blood, Blood forming organs

90 Day(s) Rat Oral 3 mg/kg/day NOEL Liver

90 Day(s) Dog Oral 7.5 mg/kg/day NOEL Liver

21 Day(s) Rabbit Dermal 2,010 mg/kg/day NOEL No effects at maximum dose

#### Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

##### **Cyromazine**

Prenatal & Postnatal Development Rat No route specified 300 mg/kg/day NOEL Developmental toxicity, Maternal toxicity

Prenatal & Postnatal Development Rabbit No route specified 10 mg/kg/day NOEL Maternal Toxicity, Not Teratogenic

2 Generation Reproductive Toxicity Rat No route specified 50 mg/kg/day NOEL Developmental toxicity, Maternal Toxicity

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### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

#### **Cyromazine**

Bacterial Mutagenicity (Ames) *Salmonella* Negative  
Chromosome Aberration Human Lymphocytes Negative  
Micronucleus Mouse Bone Marrow Negative  
Dominant Lethal Assay Mouse Negative

### Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))

#### **Cyromazine**

2 Year(s) Rat Oral 1.5 mg/kg/day NOEL Not carcinogenic

**Carcinogen Status:** None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

**Environmental Overview:** The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

### Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

#### **Cyromazine**

Rainbow Trout LC50 96 Hours 51 mg/L  
Bluegill Sunfish LC50 96 Hours 90 mg/L  
Daphnia magna LC50 48 Hours 9.1 mg/L

## 13. DISPOSAL CONSIDERATIONS

**Disposal Procedures:** Observe all local and national regulations when disposing of this material. Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

## 15. REGULATORY INFORMATION

**EU Labeling:** Not classified  
**EU Indication of danger:** Not classified

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**OSHA Label:**

None required

Non-hazardous in accordance with international standards for workplace safety.

**Canada - WHMIS: Classifications**

**WHMIS hazard class:**

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

**Cyromazine**

EU EINECS List

266-257-8

**16. OTHER INFORMATION**

**Prepared by:**

Corporate Occupational Toxicology & Hazard Assessment

Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied.

**End of Safety Data Sheet**