1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier
Product Description: Decco Pyrimethanil Aerosol

Other means of identification
Item#: 24-PYILTAR
Registration number(s) 2792-80

Recommended use of the chemical and restrictions on use
Recommended use For control of blue mold bull's eye rot and gray mold (cluster rot, nest rot) of apples and pears.
Uses advised against Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet
Supplier Address
DECCO
Decco U.S. Post Harvest, Inc.
1713 S. California Ave.
Monrovia, CA 91016-0120

Emergency telephone number
Company Phone Number 626-358-1838
8:00 am - 5:00 pm (PST)
Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 673-6671 (24hrs)

2. Hazards Identification

Classification
OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists) Category 4

Label elements

EMERGENCY OVERVIEW

WARNING

Hazard Statements
HARMFUL IF INHALED

Appearance No information available
Physical state Aerosol
Odor Practically odorless

Precautionary Statements - Prevention
Do not get in eyes, on skin, or on clothing
Use only outdoors or in a well-ventilated area

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell

Hazards Not Otherwise Classified (HNOC)
OTHER INFORMATION
• May be harmful in contact with skin

### 3. Composition/information on Ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrimethanil</td>
<td>53112-28-0</td>
<td>99.26</td>
<td></td>
</tr>
</tbody>
</table>

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

**Eye contact**
Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact**
Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation**
Move person 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 poison control center or doctor for further treatment advice.

**Ingestion**
Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

**Most Important Symptoms and Effects, Both Acute and Delayed**

No information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

Notes to physician: Treat symptomatically.

### 5. Fire-fighting measures

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**
No information available.

**Specific hazards arising from the chemical**
No information available.

**Explosion data**

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**
Use personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling.

**Environmental Precautions**

**Environmental precautions**
Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

**Methods and material for containment and cleaning up**

**Methods for Clean-Up**
Clean contaminated surface thoroughly. Take up mechanically and collect in suitable container for disposal.

7. Handling and Storage

**Precautions for safe handling**

**Handling**
Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage**
Keep containers tightly closed in a dry, cool and well-ventilated place.

**incompatible materials**
No materials to be especially mentioned.

8. Exposure Controls/Personal Protection

**Exposure guidelines**
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls**
Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

**Personal protective equipment**

**Eye/Face Protection**
Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

**Skin protection**
Wear protective gloves/clothing. Long sleeved clothing. Socks and footwear.

**Respiratory protection**
Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

**General hygiene considerations**
Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

**Information on basic physical and chemical properties**
### Physical state
- Aerosol

### Appearance
- No information available

### Odor
- Practically odorless

### Property
<table>
<thead>
<tr>
<th>Value</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>6.3</td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>96.3 °C</td>
</tr>
<tr>
<td><strong>Boiling Point/Range</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>110 °C</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No information available</td>
</tr>
</tbody>
</table>

### Other Information
- **Softening point**
  - No information available
- **Molecular weight**
  - No information available
- **VOC Content**
  - No information available
- **Density**
  - No information available
- **Bulk density**
  - No information available

### Stability and Reactivity

#### Reactivity
- No data available

#### Chemical stability
- Stable under recommended storage conditions.

#### Possibility of hazardous reactions
- None under normal processing.

#### Conditions to avoid
- Excessive heat and open flame. Do not freeze.

#### Incompatible materials
- No materials to be especially mentioned.

#### Hazardous decomposition products
- Nitrogen oxides (NOₙ). Carbon oxides.

### Toxicological Information

#### Information on Likely Routes of Exposure

#### Product information
- Pyrimethanil:
Acute oral LD50 (rat) = >5000 mg/kg
Acute dermal LD50 (rat) = >4000 mg/kg
Acute inhalation LC50 (rat) 4 hr = >3.80 mg/L - Particle size too large and required cutting to smaller sizes in order to perform inhalation study

**Inhalation**
May be harmful if inhaled.

**Eye contact**
Moderately irritating to the eyes.

**Skin contact**
May be harmful if absorbed through the skin.

**Ingestion**
HARMFUL IF SWALLOWED.

### Information on Toxicological Effects

**Symptoms**
No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Sensitization**: Did not cause sensitization. (guinea pig).
- **Mutagenic effects**: No information available.
- **Carcinogenicity**: There are no known carcinogenic chemicals in this product.
- **Reproductive effects**: Not Available.
- **STOT - Single Exposure**: No information available.
- **STOT - Repeated Exposure**: No information available.
- **Aspiration hazard**: No information available.

### Numerical Measures of Toxicity - Product information

<table>
<thead>
<tr>
<th>LD50 Oral</th>
<th>&gt; 5000 mg/kg (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Dermal</td>
<td>&gt; 4000 mg/kg (rat)</td>
</tr>
<tr>
<td>LC50 Inhalation</td>
<td>LC50/inhalation/4h/rat = &gt; 3.80 mg/l (rat)</td>
</tr>
</tbody>
</table>

### 12. Ecological Information

**Ecotoxicity**

- Harmful to aquatic life
- Pyrimethanil:
  - Fish toxicity
  - Mirror carp 35.4 mg/l
  - Rainbow trout 10.6 mg/L
  - Daphnia toxicity
  - Water flea 2.9 mg/L
  - Algal toxicity
- Selenastrum capricornutum 96 hr ErC50 = 5.84 mg/L
- Bird toxicity
- Mallard duck Acute oral LD50 >2000 mg/kg
- Bobwhite quail Acute oral LD50 >2000 mg/kg

**Persistence/Degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

**Other Adverse Effects**

No information available.
13. Disposal Considerations

Waste Treatment Methods

Waste Disposal Method
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging
Refer to product label.

14. Transport Information

DOT
NOT REGULATED

IATA
NOT REGULATED

IMDG/IMO
NOT REGULATED

15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

signal word
CAUTION

Keep out of Reach of Children. Harmful if swallowed. Harmful if inhaled. Harmful if absorbed through the skin. Causes moderate eye irritation. Toxic to fish and aquatic invertebrates.

International Inventories

USINV
Does not comply

DSL/NDSL
Does not comply

EINECS/
Does not comply

ELINCS

ENCS
Does not comply

China
Does not comply

KECL
Does not comply

PICCS
Does not comply

AICS
Does not comply

TSCA
Does not comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Category</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>NO</td>
</tr>
<tr>
<td>Chronic health hazard</td>
<td>NO</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

CERCLA

RCRA

Pesticide Information

<table>
<thead>
<tr>
<th>Component</th>
<th>FIFRA - Restricted Use</th>
<th>FIFRA - Pesticide Product Other Ingredients</th>
<th>FIFRA - Listing of Pesticide Chemicals</th>
<th>California Pesticides - Restricted Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pyrimethanil 53112-28-0 ( 99.26 )</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

State Regulations

State Right-to-Know

International regulations

U.S. EPA Label information

EPA Pesticide registration number 2792-80

16. Other Information

NFPA HEALTH 1 flammability 0 Instability 0 Physical hazard -

Preparation Date 11-Nov-2015
Revision date 16-Mar-2017
Revision Summary Update section 14 Update section 15

Disclaimer

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End of MSDS