

MATERIAL SAFETY DATA SHEET

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Date prepared: 02/10/2001
MSDS Number: ACC00404

Product and Company Identification

Product Name: PNP substrate tablets (5mg)
Catalog Number: ACC 00404

Company: Agdia, Inc
Address: 30380 County Rd 6
Elkhart, IN 46514
USA
Phone: 1-800-622-4342 or
1-574-264-2014

Material / Ingredient Identification

| Chemical Name: | CAS Number | Exposure Limits |
|-------------------------|------------|-----------------|
| p-nitrophenyl phosphate | 4264-83-9 | NA |

Physical Chemical Characteristics

| | |
|-------------------------|---------------------------|
| Boiling Point: NA | Specific Gravity: > 300°C |
| Vapor Pressure: NA | Melting Point: NA |
| Vapor Density: NA | Evaporation Rate: NA |
| Solubility in Water: NA | Water Reactive: No |

Appearance and odor: White to yellow tablets

Fire and Explosion Hazard Data

Flash Point: N/A
Flammability Limits: NA
Extinguisher Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

Reactivity Hazard Data

Chemical Stability: Stable X Unstable _____
Conditions To Avoid: N/A
Incompatibility (Materials to avoid): Strong acids, strong bases, and strong oxidizing agents.
Hazardous Decomposition Products: Toxic fumes of carbon dioxide, carbon monoxide and nitrogen oxides. Toxic fumes of phosphorus oxides or phosphine may be produced by thermal decomposition.
Hazardous Polymerization: May Occur _____ Will Not Occur X
Conditions to Avoid: NA

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Health Hazard Data

Routes of Entry: Inhalation X Ingestion X Skin Absorption X
Carcinogenicity: NTP _____ IARC Monograph _____ OSHA _____ Not Listed X
Health Hazards:
Acute: May cause eye and skin irritation. May be harmful by inhalation, ingestion, and skin absorption.
Chronic: NA

Signs and Symptoms of Exposure: NA
Medical Conditions Generally Aggravated by Exposure: No data

First Aid Procedures

Eye Contact: Flush eyes with water for at least 15 minutes.
Skin Contact: Flush skin with water. Remove contaminated clothing and wash before reuse.
Inhalation: Get to fresh air.
Ingestion: If person is conscious, wash mouth out with water. Get medical attention.

Seek medical assistance for further treatment, observation and support if necessary.

Control and Protective Measures

Respiratory Protection: If respirator is needed, follow OSHA respirator protection standards found in 29CFR1910.134.
Protective Gloves: Chemical resistant gloves.
Eye Protection: Chemical safety goggles.
Ventilation: Use adequate general or local exhaust ventilation.
Other Protective Clothing and Equipment: Wear lab coat or apron.
Hygienic Work Practices: Use good laboratory practices. Wash hands after using.

Precautions for Safe Handling and Use

Steps to be Taken If Material Is Spilled Or Released: Sweep material into a bag for waste disposal. Avoid raising dust. After pick-up is complete, wash spill site.

Waste Disposal Methods: Mix or dissolve with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Comply with all applicable federal, state, and local regulations.

Precautions to Take in Handling and Storage: Refrigerate.

Other Precautions and/or Special Hazards: NA

The above information is believed to be correct but is not all inclusive and should be used only as a guide.