

US EPA ARCHIVE DOCUMENT

EPA #	Date	Product Name	Use Classification	Toxic Category
AE 2548-AG	6/29/77	Detia Phosphine pellets Detia Gas EXT aluminum phosphide	Restricted	I

RECOMMENDATION:  register  other (explain)

aluminum phosphide pellets of differing size. Tolerance of 0.1 PPM in grain  
 Fumigant - yields phosphine, PH<sub>3</sub>  
 upon contact with H<sub>2</sub>O and air.

	TECH	FORMULATION	USE DILUTION	DATA ACCEPT ABL
Acute Oral (Rat) LD50		8.7 mg/kg		yes

Toxic signs: ↓ motor activity, incoordination, Swallowing  
 Comments: tremor, epiphthalmos, hyperexcitability  
~~test animals~~  
 used 0.1% in anhydrous alveol air  
 Literature data  
 Tox Cat I

Acute Dermal (Rabbit) LD50				
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Toxic signs:  
 Comments: not submitted (not a likely route of exposure)

Acute Inhalation ( ) LC50				
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Toxic signs:  
 Comments: Rat 0.015 mg/L  
 Rabbit 0.035 mg/L  
 GP. 0.035 mg/L  
 Literature data  
 Tox Cat I

Primary Eye Irritation (Rabbit) Draize score:				
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Comments: not submitted (not a likely route of exposure)

Primary Skin Irritation (Rabbit) Draize score:				
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Comments: not submitted

Other Studies:

OSHA standard is 400 ug/m<sup>3</sup>

B for OEP/6/29/77