



Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE		
			

Issued Date 08-Feb-2007

Revision Date 22-Aug-2013

Revision Number: 7

1. PRODUCT AND COMPANY IDENTIFICATION

UPI
 630 Freedom Business Center
 Suite 402
 King of Prussia, PA 19406

Emergency Telephone Number
 Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
 Medical: Rocky Mountain Poison Control Center
 (866) 673-6671 (24hrs)

<u>Company Information</u>	<u>Contact Information</u>	<u>Phone Number</u>	<u>Available Hrs</u>
UPI	Customer Service R&D Technical Service	1-800-438-6071 610-223-2180	8:00 am to 5:00 pm EST 8:00 am - 5:00 pm (EST)

Product Name	Assail @ 70 WP Insecticide
EPA Reg #	8033-23-70506
Recommended Use	Insecticide
Product Code	12-4581

2. HAZARDS IDENTIFICATION

Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system
 May form combustible dust-air mixtures
 Harmful by inhalation, in contact with skin and if swallowed

CAUTION

Appearance off-white.

Physical State Powder.

Odor Odorless.

Potential Health Effects

- Inhalation
- Skin contact

Eyes

Contact with eyes may cause irritation.

Skin

Substance may cause slight skin irritation.

Inhalation

Irritating to respiratory system. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

Ingestion

May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Acetamiprid	135410-20-7	67-73	N/A
Silica gel	112926-00-8	7.1-7.9	(vacated) TWA: 6 mg/m ³ TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA
Kaolin clay	1332-58-7	5-15	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction

4. 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

Take off contaminated clothing
 Rinse skin immediately with plenty of water for 15-20 minutes
 Call poison control center or doctor for treatment advice.

Inhalation

If breathing is irregular or stopped, administer artificial respiration
 May cause allergic respiratory reaction
 Call a poison control center or doctor for further treatment advice.

7. HANDLING AND STORAGE

Handling

Avoid dust formation. Avoid breathing dust. Keep away from heat, sparks and open flame. - No smoking. Remove all sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Provide appropriate exhaust ventilation at places where dust is formed. Take precautionary measures against static discharges. Check that all equipment is properly bonded and grounded.

Storage

Outside or detached storage of preferable. Avoid temperature extremes during storage. Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations. Do not allow prolonged storage in areas where temperatures frequently exceed 115 F (46 C) . NEVER TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR STORAGE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Exposure Guidelines

Chemical Name	Silica gel
OSHA PEL	(vacated) TWA: 6 mg/m ³ TWA: 20 mppcf : (80)/(% SiO ₂) mg/m ³ TWA
Chemical Name	Kaolin clay
ACGIH TLV	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction
OSHA PEL	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction

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. When handlers use 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. PESTICIDE APPLICATORS & WORKERS. THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

Personal Protective Equipment

Eye/face Protection

Avoid contact with eyes.

Skin Protection

waterproof gloves. Long sleeved clothing. Long pants. 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. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	off-white	Odor	Odorless
Physical State	Powder	pH	approx 9
Boiling Point/Range	Not available	Melting Point/Range	98 °C
Specific Gravity	Not available	Solubility	Soluble
Evaporation Rate	Not available	Vapor pressure	Not available
Vapor Density	Not available	VOC Content	Not available
Viscosity	Not available	Molecular Weight	no data available
Bulk Density	13-17 lb/ft ³	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Conditions to Avoid	Avoid dust formation Keep away from children Keep away from open flames, hot surfaces and sources of ignition Extreme temperatures
Incompatible Materials	Strong acids Strong bases Strong oxidizing agents
Hazardous Decomposition Products	No information available
Possibility of Hazardous Polymerization	None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Single exposure (acute) studies indicate that this material is slightly toxic if swallowed (rat LD50 1,064 mg/kg), no more than slightly toxic if absorbed through skin (rabbit LD50>2,000mg/kg) or inhaled (rat 4-hr LC50 >2.99 mg/l), and slightly irritating to rabbit eyes and skin. No skin allergy was observed in guinea pigs following repeated exposure.

Chronic Toxicity

Carcinogenicity The information below indicates whether any agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica gel		Group 3		

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treated area. Toxic to wildlife.

13. DISPOSAL CONSIDERATIONS

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 Non refillable container. Do not reuse this container. Offer for recycling if available.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	CHINA	KECL	AICS
Acetamiprid					(5)-6415	X	97-1-458; KE-05-0332	
Silica gel		X			(1)-548	X	KE-32733	X
Kaolin clay	Present	X		X	(1)-20	X	KE-21772	X

USA

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

Chronic Health Hazard	No
Acute Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Acetamiprid 135410-20-7 (67-73)			X	
Silica gel 112926-00-8 (7.1-7.9)			X	

12-4581
Assail® 70 WP Insecticide

Kaolin clay 1332-58-7 (5-15)			X	
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State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Silica gel	X	X	X		
Kaolin clay	X	X	X		

International Regulations

Mexico - Grade Mexico - Grade

Component	Category	Carcinogen Status	Exposure Limits
Silica gel 112926-00-8 (7.1-7.9)			Mexico: TWA 10 mg/m ³
Kaolin clay 1332-58-7 (5-15)			Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³

Canada

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

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Revision Date 22-Aug-2013

Revision Summary

Recurrent confirmation/update of data

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End of MSDS