



# Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE	

Issued Date 08-Feb-2007

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Revision Number: 4

## 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)

### Company Information

UPI

### Contact Information

Customer Service  
R&D Technical Service

### Phone Number

1-800-438-6071  
610-878-6100

### Available Hrs

8:00 am to 5:00 pm EST  
8:00 am - 5:00 pm (EST)

### Product Name

### EPA Reg #

### Recommended Use

### Product Code

Assail® 30 SG Insecticide  
8033-36-70506  
insecticide  
30SG

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May cause eye and skin irritation  
May form combustible dust-air mixtures.  
Harmful if swallowed  
Harmful if absorbed through skin

### CAUTION

**Appearance** Beige, to, Brown.

**Physical State** Solid. Powder.

**Odor** Not available

### Potential Health Effects

- Inhalation
- Skin contact

#### Acute Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. These materials generally have low vapor pressure at room temperature and are not expected to present a significant inhalation hazard under ambient conditions. However, precautions should be taken to limit aerosolization or misting of this material, as repeated exposure to high concentrations of mist may cause lipoid pneumonia.

**Eyes**  
**Skin**  
**Inhalation**  
**Ingestion**

Irritating to eyes.  
May cause skin irritation.  
May cause irritation of respiratory tract.  
May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Acetamiprid	135410-20-7	>30	N/A
Napthalene sulfonic acid polymer with formaldehyde, sodium salt	9084-06-4	5-20	N/A

## 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

Move person to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration.  
Call a poison control center or doctor for further treatment advice.

**Ingestion**

Call a physician or Poison Control Center immediately  
Have person sip a glass of water if able to swallow  
Do not induce vomiting unless told to do so by a poison control center or doctor  
Never give anything by mouth to an unconscious person

**Notes to Physician**

No information available

## 5. FIRE-FIGHTING MEASURES

**Flammable Explosive Properties**

**Flash Point**

Not available

**Autoignition Temperature**

Not available

**Flammability Limits in Air**

Not available

**Extinguishing Media**

Use: Water spray, Foam, Dry chemical.

**Fire/Explosion Hazard**

Firefighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear and self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

**Hazardous Combustion Products**

Dust clouds generated during handling and/or storage can form explosive mixtures with air. Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.

As with any dry material, pouring this material or allowing it to free fall or be conveyed through chutes or pipes can accumulate and generate electrostatic sparks, potentially causing ignition of the material itself, or any flammable materials which may come into contact with the material or its container. Check that all equipment is properly grounded and installed to satisfy electrical classification requirements. .

**NFPA**

**Health 1**

**Flammability 0**

**Instability 1**

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Avoid contact with the skin and the eyes. Use personal protective equipment. Avoid dust formation.

**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 for Clean-up**

Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Reduce dust spreading with water spray, collect rinsate..

## 7. HANDLING AND STORAGE

### Handling

Keep out of reach of children. Avoid dust formation. Avoid breathing dust. Fine dust dispersed in air may ignite. Provide appropriate exhaust ventilation at places where dust is formed. Check that all equipment is properly bonded and grounded.. Do not cut grind or weld on or near containers - explosion hazard. . Use spark resistant tools. Use explosion proof equipment. Keep container tightly closed. Flush container clean before discarding. Do not reuse container as it may retain hazardous product residue. Prevent dust accumulation. Avoid spray drift. Do not apply when weather conditions may cause drift. Do not allow this product to drift to non-target areas. Do not apply aerially when wind speed is greater than 10 mph or during periods of temperature inversions. .

### Storage

Keep away from open flames, hot surfaces and sources of ignition. Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations..

## 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. .

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

Use eye protection to avoid eye contact. . Goggles.

#### Skin Protection

Long sleeved clothing. Long pants. waterproof gloves. Socks and footwear.

#### Respiratory Protection

Avoid breathing dust. 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. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Beige to Brown	<b>Odor</b>	Not available
<b>Physical State</b>	Solid Powder	<b>pH</b>	No data available
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	98.9°C(Acetamiprid)
<b>Specific Gravity</b>	Not available	<b>Solubility</b>	Soluble
<b>Evaporation Rate</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available	<b>VOC Content</b>	Not available
<b>Viscosity</b>	Not available	<b>Molecular Weight</b>	No data available
<b>Bulk Density</b>	0.71 g/cm <sup>3</sup> (Tap)	<b>Percent Solids</b>	Not available
<b>Percent Volatiles</b>	Not available		

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Avoid dust formation.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ).
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Product Information****Acetamiprid**

Single exposure studies indicate:

Oral - Slightly toxic to rats(LD<sub>50</sub> male 886 mg/kg; female 805 mg/kg) and moderately toxic to mice (LD<sub>50</sub> male 153 mg/kg; female 133 mg/kg)

Dermal - No more than slightly toxic to rats (LD<sub>50</sub>>2,000 mg/kg)

Eye irritation - Moderately irritating to rabbits

Skin irritation - Slightly irritating to rabbits

No skin allergy was observed in guinea pigs following repeated exposure. No genetic changes were observed in standard tests using Ames, UDS, Micronucleus (mouse)

Positive responses have been reported in generic tests using the chromosomal aberration test.

**Chronic Toxicity**

There are no known carcinogenic chemicals in this product

**Carcinogenicity**

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Assail 30 SG

This material is practically non-toxic to freshwater organisms as rainbow trout (96 hr LC50 >120 mg/l) Daphnia (48 hr EC50 >120 mg/l) green algae (72 hr EC 50 880 mg/l)

Not readily biodegradable. Because of its low log Pow, it is concluded that this material will not bioaccumulate.. 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** Dispose of in accordance with all applicable federal, state, and local laws and regulations. .

**Contaminated Packaging** Non refillable container. Do not reuse this container. . Refer to product label.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

#### Acetamiprid

**ENCS** Listed

**CHINA** Listed

**KECL** Listed

#### Napthalene sulfonic acid polymer with formaldehyde, sodium salt

**DSL** Listed

**ENCS** Listed

**CHINA** Listed

**KECL** Listed

### 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**

**State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know**

**International Regulations**

**Mexico - Grade** Not available

**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** 21-Dec-2010

**Revision Summary**

Update section 8 Update section 2 Update section 13

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**End of MSDS**