



Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE	
		

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Revision Number: 5

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® 30 SG Insecticide
EPA Reg #	8033-36-70506
Recommended Use	Insecticide
Product Code	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

Irritating to eyes.

Skin

May cause skin irritation.

Inhalation

May cause irritation of respiratory tract.

Ingestion

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

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.

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

Appearance	Beige to Brown	Odor	Not available
Physical State	Solid Powder	pH	no data available
Boiling Point/Range	Not available	Melting Point/Range	98.9 °C (Acetamiprid)
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	0.71 g/cm ³ (Tap)	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Acetamiprid
Single exposure studies indicate:
Oral - Slightly toxic to rats(LD50 male 886 mg/kg; female 805 mg/kg) and moderately toxic to mice (LD50 male 153 mg/kg; female 133 mg/kg)
Dermal - No more than slightly toxic to rats (LD50>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

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Chemical Name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	CHINA	KECL	AICS
Acetamiprid					(5)-6415	X	97-1-458; KE-05-0332	
Napthalene sulfonic acid polymer with formaldehyde, sodium salt	XU	X			(4)-557	X	KE-25565	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

30SG
Assail® 30 SG Insecticide

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 (>30)			X	
Napthalene sulfonic acid polymer with formaldehyde, sodium salt 9084-06-4 (5-20)			X	

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

22-Aug-2013

Revision Summary

Recurrent confirmation/update of data

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End of MSDS

