



Preparation Date 17-Apr-2015

Revision date 31-Dec-2018

Revision Number: 4

# Safety Data Sheet

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

**Product Description:** Assail ® 70 WP Insecticide

### Other means of identification

**Product code** 12-4581  
**Registration number(s)** 8033-23-70506  
**OTHER INFORMATION** water soluble powder.

### Recommended use of the chemical and restrictions on use

**Recommended use** Insecticides.  
**Uses advised against** Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

UPL NA Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

#### Emergency telephone number

**Company Phone Number** 1-800-438-6071  
**Emergency telephone number** Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison Control Center  
(866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4

### Label elements

#### EMERGENCY OVERVIEW

#### WARNING

#### Hazard Statements

HARMFUL IF SWALLOWED  
Harmful in contact with skin  
HARMFUL IF INHALED



<b>Appearance</b> Off-white	<b>Physical state</b> powder	<b>Odor</b> odorless
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**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Do not get in eyes, on skin, or on clothing  
 Use only outdoors or in a well-ventilated area

IF ON SKIN: Wash with plenty of soap and water  
 Call a POISON CENTER or doctor if you feel unwell  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor if you feel unwell  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Harmful to aquatic life with long lasting effects

### 3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Acetamiprid	135410-20-7	67-73
Silica gel	112926-00-8	7.1-7.9
Kaolin clay	1332-58-7	5-15

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

<b>Eye contact</b>	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.
<b>Skin contact</b>	Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Clean mouth with water. Never give anything by mouth to an unconscious person.

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** no data available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** No information available. Treat symptomatically.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** no data available.

**Specific hazards arising from the chemical**

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

**Hazardous combustion products** Carbon oxides. Oxides of nitrogen. Hydrogen chloride.

**Explosion data**

**Protective equipment and precautions for firefighters**

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

Avoid contact with skin, eyes and clothing. Avoid dust formation. Take precautionary measures against static discharges. Use personal protective equipment.

**Environmental Precautions**

**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 and material for containment and cleaning up**

**Methods for Clean-Up**

Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**7. Handling and Storage**

**Precautions for safe handling**

**Handling**

Avoid dust formation. Avoid breathing dust. Keep away from heat, sparks and open flame. - No smoking. Provide appropriate exhaust ventilation at places where dust is formed. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

**Storage**

Avoid temperature extremes during storage. Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations. Keep containers tightly closed in a cool, well-ventilated place. Keep away from direct sunlight. Keep away from contact with oxidizing materials.

**incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents.

**8. Exposure Controls/Personal Protection**

**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL
Silica gel		(vacated) TWA: 6 mg/m <sup>3</sup> TWA: 20 mppcf : (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA
Kaolin clay	TWA: 2 mg/m <sup>3</sup> particulate matter containing no	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable

	asbestos and <1% crystalline silica, respirable fraction	fraction
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**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.

**Personal protective equipment**

**Eye/Face Protection**

**Skin protection**

**Respiratory protection**

Avoid contact with eyes. Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields. waterproof gloves. Long sleeved clothing. Long pants. Socks and footwear. 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. Wear suitable gloves and eye/face protection.

**9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

<b>Physical state</b>	powder	<b>Odor</b>	odorless
<b>Appearance</b>	Off-white		
<b>color</b>	No information available		

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ • Method</u>
<b>pH</b>	9	Approximately
<b>Melting point/freezing point</b>	10 °C / 50 °F	
<b>Boiling Point/Range</b>	No information available	
<b>Flash Point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability limit in air</b>		
<b>Upper Flammability Limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>vapor pressure</b>	No information available	
<b>Vapor Density</b>	No information available	
<b>Specific gravity</b>	No information available	
<b>Water solubility</b>	Soluble (>1%)	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	no data available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**OTHER INFORMATION**

<b>Softening point</b>	No information available
<b>molecular weight</b>	No information available
<b>VOC Content</b>	No information available
<b>Liquid Density</b>	No information available

**Bulk density** 13-17 lb/ft3

**10. Stability and Reactivity**

**Reactivity**  
no data available

**Chemical stability**  
Stable under recommended storage conditions.

**Possibility of hazardous reactions**  
None under normal processing.

**Conditions to avoid**  
Avoid dust formation. Keep away from children. Keep away from open flames, hot surfaces and sources of ignition. Not known.

**incompatible materials**  
Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products**  
no data available.

**11. Toxicological Information**

**Information on Likely Routes of Exposure**

**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 >2.88 mg/l - no deaths), and slightly irritating to rabbit eyes and skin. No skin allergy was observed in guinea pigs following repeated exposure.

**Inhalation** Harmful by inhalation.

**Eye contact** May cause slight irritation.

**Skin contact** Slightly irritating. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Ingestion** Low order of toxicity based on components. MAY BE HARMFUL IF SWALLOWED.

**Information on Toxicological Effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Mutagenic effects** no data available.  
**Carcinogenicity** The information below indicates whether any agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Silica gel 112926-00-8	-	Group 3		-

**Reproductive effects** Not Available.  
**STOT - Single Exposure** no data available.  
**STOT - Repeated Exposure** no data available.  
**Target organ effects** Respiratory System.  
**Aspiration hazard** No information available.

**Numerical Measures of Toxicity - Product information**

LD50 Oral 1064 mg/kg (rat)  
 LD50 Dermal > 2000 mg/kg (rat)  
 LC50 Inhalation > 11.52 mg/l ( 1 hr) No mortality

**12. Ecological Information**

**ecotoxicity**

Toxic to bees exposed to direct treatment. Do not apply while bees are actively visiting the treatment area. Toxic to wildlife  
 Assail 70 WP  
 Acute toxicity fish (Killifish) LC50 = 146 mg/L 96 hr  
 Acute toxicity Daphnia (Daphnia magna) EC50 = 94 mg/L 96 hr Acetamidrid:  
 Acute toxicity fish:  
 Carp LC50 = >100 mg/L 96 hr  
 Rainbow trout LC50 = >100 mg/L 96hr  
 Acute toxicity Daphnia magna:  
 Daphnia magna EC50 = 49.8 mg/L 48 hr  
 Acute toxicity Algae:  
 ErC50 = >98.3 mg/L 72 hr  
 Bee  
 ACute toxicity oral LD50 = 8.85 ugai/bee (20% acetamidrid)

**Persistence/Degradability**

no data available.

**Bioaccumulation/ Accumulation**

No information available.

**Other Adverse Effects**

Toxic to bees

**13. Disposal Considerations**

**Waste Treatment Methods**

**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. Refer to product label.

**14. Transport Information**

**DOT**

NOT REGULATED

**TDG**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG**

NOT REGULATED

**15. Regulatory Information**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word**

CAUTION

**Ventilation Control**

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.

**International Inventories**

<b>USINV</b>	Present
<b>DSL/NDSL</b>	Not present
<b>EINECS/ ELINCS</b>	Not Present
<b>ENCS</b>	Not Present
<b>China</b>	Present
<b>KECL</b>	Present
<b>PICCS</b>	Not Present
<b>AICS</b>	Not Present
<b>TSCA</b>	Not Present

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**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 Title 40 of the Code of Federal Regulations, Part 372.

**CERCLA**

Not applicable

**CERCLA**

**SARA Product RQ** 0

**RCRA****Pesticide Information****State Regulations****State Right-to-Know**

Not applicable

International regulationsU.S. EPA Label information

EPA Pesticide registration number 8033-23-70506

**16. Other Information****NFPA**                      **HEALTH 1**                      **flammability 1**                      **Instability 1**                      **Physical hazard -**

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**Revision Summary**

Update logo Update section 1 Update Section 16\*\*\*

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**End of SDS**