



Safety Data Sheet

United Phosphorus, Inc.

Preparation Date 17-Apr-2015

Revision date 27-Nov-2018

Revision Number: 3

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

Product identifier

Product Description: Assail® 30 SG Insecticide

Other means of identification

Product code 30SG

Registration number(s) 8033-36-70506

Recommended use of the chemical and restrictions on use

Recommended use Insecticide.

Uses advised against Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet

Supplier Address

United Phosphorus 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 Chemtec: (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 - Dermal

Category 4

Label elements

EMERGENCY OVERVIEW

WARNING

Hazard Statements

Harmful in contact with skin



Appearance Tan To brown

Physical state solid powder

Odor no data available

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

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

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 | >30 |

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

| | |
|---------------------|---|
| 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 a 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, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately. |
| Ingestion | 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.

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Dry chemical. Water spray.

Unsuitable extinguishing media no data available.

Specific hazards arising from the chemical

No information available.

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.

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 and eyes. Use personal protective equipment. Avoid dust formation.

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

7. Handling and Storage

Precautions for safe handling

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. - Bad translation. 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.

Conditions for safe storage, including any incompatibilities

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.

incompatible materials Strong oxidizing agents.

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.

Personal protective equipment

Eye/Face Protection

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye

Skin protection
Respiratory protection

flushing equipment available. If splashes are likely to occur, wear: Goggles. Long sleeved clothing. Long pants. waterproof gloves. Socks and footwear. 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

Information on basic physical and chemical properties

| | | | |
|---|--------------------------|--------------------------|-------------------|
| Physical state | solid powder | | |
| Appearance | Tan To brown | Odor | no data available |
| color | No information available | | |
| Property | VALUES | Remarks/ • Method | |
| pH | No information available | | |
| Melting point/freezing point | 98.9 °C (Acetamiprid) | | |
| Boiling Point/Range | No information available | | |
| Flash Point | | | |
| Evaporation Rate | No information available | | |
| Flammability (solid, gas) | No information available | | |
| Flammability limit in air | | | |
| Upper Flammability Limit | No information available | | |
| Lower Flammability Limit | No information available | | |
| vapor pressure | No information available | | |
| Vapor Density | No information available | | |
| Specific gravity | No information available | | |
| Water solubility | No information available | | |
| Solubility in Other Solvents | No information available | | |
| Partition coefficient: n-octanol/water | No information available | | |
| Autoignition temperature | no data available | | |
| Decomposition temperature | No information available | | |
| Viscosity, kinematic | No information available | | |
| Dynamic viscosity | No information available | | |
| Explosive properties | No information available | | |
| Oxidizing properties | No information available | | |

OTHER INFORMATION

| | |
|-------------------------|------------------------------|
| Softening point | No information available |
| molecular weight | No information available |
| VOC Content | No information available |
| Liquid Density | No information available |
| Bulk density | 0.71 g/cm ³ (Tap) |

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.

incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

11. Toxicological Information

Information on Likely Routes of Exposure

Product information

AcetamidridSingle 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 rabbitsSkin irritation - Slightly irritating to rabbitsNo 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.

| | |
|---------------------|--|
| Inhalation | There is no data available for this product. |
| Eye contact | Moderately irritating to the eyes. |
| Skin contact | Slightly irritating. |
| Ingestion | 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 | There are no known carcinogenic chemicals in this product. |
| Reproductive effects | Not Available. |
| STOT - Single Exposure | no data available. |
| STOT - Repeated Exposure | no data available. |
| Aspiration hazard | No information available. |

Numerical Measures of Toxicity - Product information

| | |
|--------------------|---------------------|
| LD50 Oral | 805-886 mg/kg (rat) |
| LD50 Dermal | > 2000 mg/kg |

12. Ecological Information

ecotoxicity

Assail 30 SG

Non toxic
 Rainbow trout 96 hr LC50 = >120 mg/L
 Daphnia magna 48 hr EC50 = >120 mg/L
 Green Algae 72 hr EC50 = 880 mg/L

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***

Keep out of Reach of Children. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. This pesticide is highly toxic to bees, birds, and aquatic invertebrates.***

International Inventories

| | |
|-------------------|-------------|
| USINV | Not present |
| DSL/NDSL | Not present |
| EINECS/ ELINCS | Not Present |
| ENCS | Not Present |
| China | Not Present |
| KECL | Not Present |
| PICCS | Not Present |
| AICS | Not Present |
| TSCA | 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
 IECS - 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.

| | |
|-----------------------------------|-----|
| Acute health hazard | yes |
| Chronic health hazard | NO |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CERCLA

Not applicable

CERCLA

RCRA

Pesticide Information

State Regulations

State Right-to-Know

Not applicable

International regulations

U.S. EPA Label information

EPA Pesticide registration number 8033-36-70506

16. Other Information

NFPA HEALTH 1 flammability 0 Instability 0 Physical hazard -

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Revision Summary

3 year cycle update***

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