

1: IDENTIFICATION

Chemical Name	Acephate: N-[methoxy(methylsulfanyl)phosphoryl]acetamide Imidacloprid: (NE)-N-[1-[(6-chloro-3-pyridinyl)methyl]imidazolidin-2-ylidene]nitramide		
Synonyms	Acephate 50% + Imidacloprid 1.8% SP	Trade Name AGETATE GOLD	
Uses	Insecticide	Molecular Formula	$C_4H_{10}NO_3PS + C_9H_{10}ClN_5O_2$
Manufacturer/Supplier	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Acephate	30560-19-1	50.00%
Imidacloprid	138261-41-3	1.80%
Inert ingredients	-	48.20%

3: HAZARD IDENTIFICATION

Health Hazard: Moderately irritating to the eyes Prolonged or repeated contact may cause irritation, redness and rash
Harmful by inhalation; Mist or dust concentrations may be harmful or irritating if inhaled; Harmful if swallowed

4: FIRST AID MEASURES

General: Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

Inhalation: Move patients to fresh air. Keep the patients warm and at rest. If person is not breathing then give artificial respiration, preferably mouth-to-mouth if possible. Allow patients to rest. Immediately seek medical attention.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting unless told by doctor. Do not give anything by mouth to an unconscious person. Seek medical attention immediately and show this container or label.

Skin Contact: In case of contact with product, wash immediately skin area with plenty of water and soap. Speed in removing material from skin is extremely important. Remove and isolate contaminated clothing and shoes. Call medical attention.

Eye Contact: Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific Antidote. Treat symptomatically.

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide

Specific Hazards: Exposure to decomposition products may be a hazard to health.

Hazardous Thermal (de)composition: In the event of fire, the powder will burn, releasing carbon dioxides, sulphur oxides, nitrogen oxides, oxides of phosphorus and chlorine compounds.

Special Procedures: Evacuate area and fight fire upwind from a safe distance. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Minimize use of water to prevent environmental contamination. Dike and collect water used to fight fire to prevent environmental damage due to runoff. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard. Do not discharge extinguishing water into the drain or water bodies.

Protection of Fire Fighters: Do not breathe a fumes. Wear a self contained breathing apparatus. Wear suitable protective gloves and eye/face protection.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ventilate spillage area. Take precautionary measures against static discharges. Avoid creating dust formation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from spill/ fumes.

Environmental Precaution: Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

Methods for Cleaning-up: Clean up mechanically by sweeping or shovelling and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust. Do not use equipment in clean-up procedure, which may produce sparks. Clean contaminated floors and objects thoroughly with water and detergents. Dispose of in accordance with local regulations. If significant amount of product enters into drain, notify the local authorities.

7: HANDLING & STORAGE

Handling: Do not smoke, drink, or eat during handling. avoid dust formation. Wash hands using liquid detergent. Wear protective clothing to avoid contact and/or inhalation with the product. Good personal hygiene procedures must be practiced.

Specific Conditions: Good local exhaust ventilation. Do not store in prolonged sunlight

Storage: Store in dry, cool, well-ventilated area and away from source of ignition. Keep in original container and tightly closed when not in use. Store in locked room and away from children, seeds, fertilizer, foods and animal feeds.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures: Ensure area is well-ventilated, especially confined area. Handle in accordance with good industrial hygiene and safety practice.

General Protection: Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and face shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: Where concentrations are above recommended limits or unknown, NIOSH/MSHA approved respiratory protection equipment appropriate to the material and/or its components should be used. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Skin Protection: Wear suitable protective clothing, including boots, gloves, lab coat, apron or cover all, as appropriate to avoid skin contact. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

Hand Protection: Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

Eye Protection: Safety goggles, chemical splash goggles or face shield for eyes protection should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance : Fine powder	Odour: Rotten cabbage	Bulk Density [g/cc]: approx. 0.45	Physical State: Solid
Colour: White to off white	pH : approx. 4.0 –6.0 (1 % aq. solution)	Solubility in Solubility in water: Soluble	

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Hazardous Decomp. Products: Carbon dioxides, sulphur oxides, nitrogen oxides, oxides of phosphorus and chlorine compounds

Material to Avoid: Acids, alkalis, oxidizing agents

Conditions to Avoid: High temperatures and excess moisture

11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : 945	Rat inhalation LC50 [mg/l/4h] : > 15	Skin irritation (rabbit): May cause irritation
Dermal (rat) LD50 [mg/kg] : >2000	Skin Sensitization (Guinea Pig): No data available	Eye irritation (rabbit): May cause irritation

12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to rainbow trout : > 1000 (Acephate) ppm ; 211 (Imidacloprid) ppm

Bio-accumulation Potential: No data available.

Persistence, Degradability and Mobility in soil: No data available

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container.

Contaminated Packaging: Empty containers may contain hazardous residues. Break, crush or puncture and bury empty containers in a local authority landfill. Empty packaging should be packaged and sealed, labeled and transferred to a suitable incinerator in accordance with the local regulations. Do not dispose of product or rinsing into sewage system or septic tanks

14: TRANSPORT INFORMATION

UN No. - **Proper Shipping Name:** Acephate + Imidacloprid

Note: Not Regulated as a hazardous material by any mode of transportation. Not dangerous cargo. Keep dry. Keep separated from foodstuffs

15: REGULATORY INFORMATION

Hazard Symbol: Xn Harmful

Phrases R: R 48/22

Phrases S: S20/ 21, S22/23, S24/25, S29/35, S36/37

16: OTHER INFORMATION

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