	SAFETY DATA SHEET	Issue date: 30/09/2023
	ACETAMIPRID 20 SP Parsian Chem Co., PSJC	Edition No.: 1 Date of Edition: -

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**COMPANY ADDRESS:** Parsian Shimi Talaye Sabz  
Plot K9, Mansoorkandeh Industrial Zone, Babol, Iran

**EMERGENCY TELEPHONE NUMBERS:** (98) 11 32325650

**email:** [info@parsian-chem.com](mailto:info@parsian-chem.com)

**Web address:** [www.parsian-chem.com](http://www.parsian-chem.com)

PRODUCT NAME : Acetamiprid 20% SP  
 CHEMICAL NAME : Acetamiprid  
 PRODUCT USE : Insecticide for Agricultural Use  
 REGISTRATION DATE : 12-11-2000  
 CREATION DATE : 30-09-2023  
 REVISION DATE : NA

## SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

**Toxicity class:**

Insecticide of low toxicity order.

**Eye contact:**

Direct contact with dust may cause slight eye irritation.

**Skin contact:**

Direct contact with dust may cause slight skin irritation.

**Ingestion:**

Slightly toxic if swallowed.

**Inhalation:**

Inhalation of dust of this material can cause drying of mucous membranes of the eyes, nose and throat which may result in irritation and occasional nosebleeds.

**Environmental Hazard:**

Product is slightly toxic to fish and aquatic organisms.

**Hazardous decomposition products:**

Product can be decomposed at high temperatures forming toxic gases.



## SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

Common name : Acetamiprid  
 Chemical name : (E)-N1-[(6-chloro-3-pyridyl) methyl]-N2-cyano-N1-methyl acetamidine  
 CAS No. : 135410-20-7  
 Chemical family : dithiocarbamate  
 Chemical Formula : C<sub>10</sub>H<sub>11</sub>ClN<sub>4</sub>  
 Molecular Weight : 222.7  
 Use : Systemic, contact and stomach insecticide with local penetration action  
 Formulation : 200 g/kg

COMPONENT	CAS No.	PERCENTAGE
Active ingredient (E)-N1 - [(6-chloro-3-pyridyl)methyl]- N2 -cyano- N1 - methylacetamide	135410-20-7	20
Additive (Surfactant)	-	5
Carrier	-	75

#### SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. If the patient is conscious, If the patient is conscious, rinse out mouth thoroughly and have them sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Gently wipe off excess chemical. Wash affected skin areas gently and thoroughly with water and non-abrasive soap. Do not rub the skin. If irritation persists, seek medical advice. Persons who become sensitized may require specialized medical management with anti-inflammatory agents or cortisone-containing emulsions. Wash contaminated clothing before next use.

**IF IN EYES:** Hold eye open and immediately rinse slowly and gently with large quantity of drinking water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye for 15 more minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move the victim to fresh air or remove source of contamination. Keep person warm and at rest. Provide artificial breathing if the breathing has stopped. Seek medical attention immediately. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** No specific antidote. Treat symptomatically.

#### SECTION 5 - FIRE FIGHTING MEASURES

**FLAMMABILITY:** Non-flammable

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, foam, dry agent.

**FIRE AND EXPLOSION HAZARD:** Toxic gases including carbon monoxide, carbon dioxide, oxides of nitrogen, and Smoke. Thermal decomposition or combustion may produce harmful and irritant gas/fume such as CO, NOx, hydrogen chloride and organic compounds

**FIREFIGHTING:** Wear full protective equipment and self-contained breathing protection. Avoid creating significant airborne dust. Spray unopened containers with water to keep cool. Contain fire-fighting water by bonding area with sand or earth to prevent it entering any bodies of water. Dispose of fire control extinguishing agent and spillage later in safe manner.

**PERSONAL PROTECTIVE EQUIPMENT:** Fire-fighters and others that may be exposed should wear full chemical protective clothing and self-contained breathing apparatus. See section 8 for recommendations regarding Exposure Controls/Personal Protection. Fire may produce irritating or poisonous vapors (toxic oxides of carbon, nitrogen and Sulphur) of combustion.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Avoid raising dust. Prevent from releasing it into the environment. Do not breathe in dust or fumes. Avoid contact with skin and eyes. For personal protection see Section 8.

**Occupational spill:**

Ventilate the space involved. Absorb, sweep up, and place in container for disposal. Reduce dust spreading with a water spray. Collect run-off water and transfer to drums or tanks for later disposal. Avoid creating a dusty atmosphere.

**Clean-up Procedures:** Transfer to containers, preparatory for later disposal. Avoid generation of dust. Place in non-sparking containers for recovery or disposal. Remove from spill location. Flush area with water spray, collect rinse. Do not discharge to river, sea, lake, waterway or sewer systems directly.

## SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

**Handling:**

Wear personal protective equipment. Refer to Section 8 for personal protective equipment. Handle as an organic dust. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use only in a well ventilated areas, or chemical fume hood. Wash thoroughly after handling. Keep out of the reach of children. Do not reuse container. Do not apply when weather conditions may cause drift. Do not allow this product to drift to non-target areas.

**Storage:**

Keep in container tightly closed. Store in a cool dry place. Protect from direct contact with water or excessive moisture, acids or bases. Store in the closed, original container in a cool, secure, well-ventilated area.

## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

**SPECIFIC ENGINEERING CONTROLS:** Use general and/or local exhaust ventilation to control dusts.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Respirator:** Wear an approved full-face respirator suitable for protection from dusts and mists of pesticides is required. Limitations of respirator use specified by the approving agency and the manufacturer must be observed.

**Clothing:**

Wear appropriate chemical-resistant protective clothing or other impervious clothing. Wear boots, hat and equipment to prevent repeated or prolonged skin contact with this substance. Do not wear leather clothing. Wash clothing after use.

**Gloves:**

Wear appropriate chemical-resistant protective gloves whenever the product is handled to prevent contact with this substance. Wash gloves after use.

**Eye protection:**

Use safety goggles and face-shield which is compatible with respiratory equipment.



**Emergency eye wash:** Where there is any possibility that an employee's eyes may be exposed to this substance, an eye wash fountain or appropriate alternative within the immediate work area for emergency use, must be provided.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Light blue fine powder.
<b>Odor:</b>	Odorless
<b>pH:</b>	7.0–9.0 at 1 wt/wt% dilution in water.
<b>Melting Point:</b>	Not applicable.
<b>Boiling Point/Freezing Point:</b>	Not available.
<b>Flash Point:</b>	Not applicable.

<b>Evaporation Rate:</b>	Not applicable.
<b>Flammability (Solid):</b>	Not flammable
<b>Flammability Limits:</b>	NA
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not applicable.
<b>Density:</b>	Bulk Density: Ca 0.35 g/cm <sup>3</sup> (loose)
<b>Solubility:</b>	In water: Approximately 2 wt/wt%. In solvent: Not available.
<b>Log Po/w</b>	Not available.
<b>Auto-Ignition Temperature:</b>	Not applicable
<b>Explosive Limit:</b>	Lower limit: Not applicable Upper limit: Not applicable.

\*Listed density is an approximate value and does not necessarily represent that of a specific batch.

## SECTION 10 - STABILITY AND REACTIVITY

### Chemical Stability:

Stable under normal storage and handling conditions; if unstable, condition to avoid unstable reaction.

### Reactivity:

May react with strong oxidizing agents.

### Incompatibility:

Oxidizing agents, strong acids or bases.

### Hazardous decomposition products:

CO, nitrogen oxides, hydrogen chloride, organic compounds such as aromatic compounds.

**Hazardous Polymerization:** May Occur; if polymerization may occur, condition to avoid it.

**Others:** Avoid high temperature.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity data from similar formulation

### ACUTE TOXICITY:

**Acute oral LD<sub>50</sub>** 1,065 mg/Kg rats; low toxicity

**Acute dermal LD<sub>50</sub>** >2,000 mg/Kg rat; low toxicity

**Acute inhalation LC<sub>50</sub> (4 h)** >3.5.0 mg/L rat; low toxicity

**Eye Irritation:** Slightly irritating to rabbit eyes and skin.

**Others:** Long-term oral studies in animals showed no evidence of carcinogenicity.

**Subacute Toxicity:** 90-days-repeated dose toxicity test: NOEL (rat): 12.4 mg/kg/day (male)  
14.6 mg/kg/day (female)

**Skin Irritation:** The product may cause mild irritation to the skin.

**Sensitization:** Non-sensitizing (guinea pig)

### Carcinogenicity (as active ingredient):

Negative (rat, mouse).

NTP (Not available)

IARC Monograph: Not available

ACGIH Regulated: Not Available

### Mutagenicity (as active ingredient):

Ames test: Neative

Chromosomal Aberration test: Positive (in vitro), Negative (in vivo)

USD test: Negative

Micronucleus test: Negative

## SECTION 12 - ECOLOGICAL INFORMATION

**Persistence and degradability (Active ingredient):**

Bio-degradation: Not readily degradable.

Degradation in soil: Readily degradable.

**Mobility:**

Not available.

**Accumulation:**

No data is available, but the active ingredient is estimated to be low bio-accumulative because of low partition coefficient

**ECOTOXICOLOGY:****Birds: Slightly toxic to birds.**

Acute oral LD<sub>50</sub>: Bobwhite quail: 180 mg/Kg; moderately toxic to birds

**Fish: Highly toxic to fish and aquatic organism.**

LC<sub>50</sub> (96hrs, flow-through): carp >100 mg/l

**Daphnia: slightly toxic to daphnia magna** EC<sub>50</sub> (48hrs): > 159 mg/l

**Algae: slightly toxic to green algae** LC<sub>50</sub> (72hrs): >97.8 mg/l

- This material is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treat area.

**SECTION 13 - DISPOSAL CONSIDERATIONS****Pesticide and container disposal:**

Open dumping or burning of this pesticide is prohibited. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Dispose of product waste only in a responsible manner and according to local legislation.

**Package product wastes:**

Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is destroyed. Empty the container of excess product by emptying it over or into the container or mixing tank of the applicator. Destroy the emptied containers by perforation and flattening. Do not re-use the empty container for any other purpose. Do not burn the empty container. Dispose of the empty containers only in a responsible manner and according to local legislation.

Comply with any local legislation applying to disposal.

Prevent contamination of food, feedstuffs, drinking water and eating utensils.

**SECTION 14 - TRANSPORT INFORMATION****International marine transportation (IMDG)**

This product is not classified as dangerous goods in IMDG Code. Marine pollutant: Not applicable.

**Sea (IMDG – Code)**

Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Class: 9.0 UN No. : 3077

Packing Group: III

**MARINE POLLUTANT:** Not applicable

**ICAO/IATA Dangerous Goods Regulations**

This product is not classified as dangerous goods in ICAO/IATA-DGR.

**Air (IATA-DGR)**

Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Class: 9.0 UN No. : 3077

Packing Group: II

**DOT Regulations**

This product is not classified as dangerous goods in DOT Regulations.

**Rail/Road (RID/ADR)**

Proper Shipper Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Class: 9.0 UN No. : 3077

Packing Group: III


**SECTION 15 - REGULATORY INFORMATION**

<b>Symbol:</b>	Xn, N
<b>Indication of danger:</b>	Harmful, Dangerous for the environment
<b>Risk phrases:</b>	
<b>R 22</b>	Harmful if swallowed
<b>R 51/53</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
<b>Safety phrases:</b>	
<b>S 2</b>	Keep out of the reach of children.
<b>S 13</b>	Keep away from food, drink and animal feeding stuffs.
<b>S 20/21</b>	When using, do not eat, drink or smoke.
<b>S 36/37/39</b>	Wear suitable protective clothing, gloves and eye/face protection.
<b>S 60</b>	This material and its container must be disposed of as hazardous waste.
<b>S 61</b>	Avoid release to the environment. Refer to special instructions/safety data sheets
<b>International WHO Toxicity Classification</b>	II Moderately Hazardous

**SECTION 16 - OTHER INFORMATION****Disclaimer:**

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.

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