

Sharda Cropchem Limited

(Formerly known as Sharda Worldwide Exports Pvt. Ltd.)

Tel. : +91 22 66782800

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Regd. Office : Dornic Holm, 29th Road, Bandra (W), Mumbai - 400050. India.

www.shardaworld.com



ISO 9001: 2008 Reg. No: 690257

CIN: U51909MH2004PLC145007



MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Identifier:	Aceta 70 WP
Registration Number:	33298 (Pest Control Product Act)
Active Ingredient (%):	Acetamiprid (70%) (CAS-No.) 135410-20-7
Chemical Name:	(E)-N1-[(6-chloro-3-pyridyl) methyl]-N2-cyano-N1-methylacetamidine
Product Use:	Wettable powder insecticide for insect control in agricultural crops. For further details please refer to product label

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Trade name	Ingredient	CAS No.	Function	Content (% w/w)
Acetamiprid 99%	Technical ingredient	135410-20-7	Technical ingredient	70.70
Supragil WP	Sodium diisopropyl naphthalenesulphonate	1322-93-6	Wetting agent	2.00
Supragil MNS 90	Polyalkyl Naphtalene Sulphonate	81065-51-2	Dispersing agent	5
Sipernat 22s	Silica	112926-00-8	Anticaking agent	2
Caolin	Caolin	1332-58-7	Filler	20.30
TOTAL				100.00

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Reg 1272/2008

Acute toxicity (oral), Category 4: H302

Hazardous to the aquatic environment — Chronic Hazard, Category 3: H412

Label Elements

Labelling according to Reg 1272/2008

Hazard symbol



GHS07

Signal word

Hazardous ingredients

Hazard statements

Precautionary statements

Warning

Acetamiprid (ISO); (E)-N1-[(6-chloro-3-pyridyl) methyl]-N2-cyano-N1-methylacetamidine; sodium diisopropyl naphthalenesulphonate

Harmful if swallowed.

Harmful to aquatic life with long lasting effects

Wash hands, forearms and face thoroughly after handling

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

Rinse mouth.

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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SECTION 4: FIRST AID MEASURES

Description of first aid measures

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	Move the affected person away from the contaminated area and into the fresh air. If not breathing, give artificial respiration. Call a doctor.
Skin contact	Remove contaminated clothes. After contact with skin, wash immediately and thoroughly with water and soap.
Eye contact	Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.
Ingestion	Rinse mouth. Immediately call a POISON CENTER/doctor.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

Special hazards arising from the substance or mixture

Fire hazard In case of fire and/or explosion do not breathe fumes.

Reactivity in case of fire Product is not explosive.

Hazardous decomposition products in case of fire Carbon monoxide. Nitrogen oxides. Carbon dioxide. Toxic fumes may be released.

Advice for firefighters

Precautionary measures fire away Keep container tightly closed and away from heat, sparks and flame. Keep from combustible materials.

Firefighting instructions Appropriate self-contained breathing apparatus may be required. Get the package away from the fire if this can be done without risk. Prevent fire fighting water from entering the environment.

Protection during firefighting Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

Other information Do not allow material to contaminate surface water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures Chemical resistant gloves. Wear eye protection. Personal protective equipment.

Evacuate personnel to a safe area.

For emergency responders

Protective equipment Wear suitable hand, body and head protection.

Environmental precautions

Avoid creating or spreading dust. Dispose of rinse water as wastewater. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up

For containment Label the container and provide warning statements to prevent any contact.

For cleaning up Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust. Wash contaminated area with large amounts of water.

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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Additional hazards when processed Do not allow run-off from fire fighting to enter drains or water courses. Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Precautions for safe handling Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and shoes. Wash clothing and equipment after handling.

Conditions for safe storage, including any incompatibilities

Technical measures Ensure adequate ventilation, especially in confined areas. Store locked up.

Storage conditions Keep only in original container. Store in a dry place. Store in a closed container.

Store in a well-ventilated place. Protect from sunlight.

Storage temperature 0 - 30 °C

Packaging materials Keep only in the original container in a cool, well-ventilated place away from combustible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Quartz (CAS No. 14808-60-7)		
EU	Local name	Silica crystalline (Quartz) SCOEL Recommendations (2003)

Exposure controls

Hand protection: Chemical resistant gloves

Eye protection: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles

Skin and body protection: Long sleeved protective clothing

Respiratory protection: Extra personal protection: P2 filter respirator for harmful particles.

Extra personal protection: P3 filter respirator for toxic particles

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state	Solid
Appearance	Crystalline powder
Colour	White
Odour	Characteristic
pH solution	6.64
Melting point	Not available
Boiling point	Not available
Relative vapour density	Not available
Relative density	0.35 g/mL (20°C)
Solubility	Not available
Log Pow	0.8 (25°C) as active ingredient
Explosive properties	Not explosive
Oxidizing properties	Non oxidizing

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions of use.
Chemical stability	The product is stable at normal handling and storage conditions
Possibility of hazardous reactions	Stable under normal conditions of use
Conditions to avoid	Heat. High temperature. Open flame. Direct sunlight.
Incompatible materials	No additional information available
Hazardous decomposition products	Under normal conditions of storage and use hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity (oral)	Oral: Harmful if swallowed.
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

Acetamiprid (ISO); (E)-N1-[(6-chloro-3 pyridyl)methyl]-N2-cyano-N1-methylacetamidine (CAS No. 35410-20-7)	
LD50 oral rat	1064 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 2.88 mg/l/4h (Maximum attainable concentration)

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

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SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Harmful to aquatic life with long lasting effects

Acetamiprid (ISO); (E)-N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine (CAS No. 135410-20-7):

LC50 fish l	> 100 mg/l (96 h, Oncorhynchus mykiss)
EC50 Daphnia l	49.8 mg/l (48 h, Daphnia magna)
ErC50 (algae)	98.3 mg/l (72 h, Scenedesmus subspicatus)
ErC50 (other aquatic plants)	> 1 mg/l (14 d, Lemna gibba)

Persistence and degradability

Persistence and degradability	Not readily biodegradable.
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Bioaccumulative potential

Log Pow	0.8 (25 °C)
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Mobility in soil

Surface Tension	70.9 mN/m (19.5 °C, 1 g/l solution)
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SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	Avoid release to the environment. Disposal must be done according to official regulations. Do not dispose of the packaging without first carrying out the necessary cleaning. Refer to manufacturer/supplier for information on recovery/recycling.

SECTION 14: TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

This product is not classified as dangerous goods under the applicable DOT, ICAO/IATA, DGR Regulations

SECTION 15: REGULATORY INFORMATION

Regulated under the Pest Product Control Act

SECTION 16: OTHER INFORMATION

The information contained herein is offered only as a guide to the handling of this specific material and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied and Sharda CropChem Ltd will not be liable for any damages, losses, injuries or consequential damages which may result from the use of or reliance on any information contained herein. This Material Safety Data Sheet is valid for three years. This product is under the jurisdiction of the Pest Control Products Act and is exempt from the requirements for a WHMIS compliant MSDS. Hazardous properties of all ingredients have been considered in the preparation of this MSDS. Read the entire MSDS for the complete hazard evaluation of this product.

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