

**ASTER 20SL™**  
**MATERIAL SAFETY DATA SHEET**

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**SECTION 1 Chemical product and Company identification**

Product Name: Aster 20SL™ (Acetamiprid)

Chemical name: (E)-N<sup>1</sup>-[(6-chloro-3-pyridyl)methyl]-N<sup>2</sup>-cyano-N<sup>1</sup>-methylacetamidine

Product Use: Commercial insecticide.

Supplier: SINERIA HOLLAND BV

Randwycksingel 20-A015

6229 EE Maastricht The Netherlands

www.sineria.com

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**SECTION 2 Composition/Information on Ingredients**

<u>Product Name</u>	<u>Wt. (%)</u>	<u>CAS RN</u>
Acetamiprid	20	135410-20-7

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**SECTION 3 Hazards Identification**

**HEALTH EFFECTS**

**Acute**

- Caution. Hazard to humans and domestic animals. Keep out of reach of children.
- Acute if Ingested.

Eye: Immediate effects, avoid contact with eyes.

Skin: Harmful if absorbed through skin. Avoid contact with skin or clothing. Skin contact may aggravate existing skin disease.

Inhalation: Harmful if inhaled. Avoid breathing dust. Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. CHRONIC:

**Chronic**

- This product does not contain any ingredients as probable or suspected human carcinogens.



#### **SECTION 4 First Aid Measures**

Ingestion: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Have a person sip a glass of water if able to swallow. Do not induce vomiting or give anything by mouth to an unconscious person.  
Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. 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 an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment.

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#### **SECTION 5 Fire Fighting Measures**

Suitable extinguish media: Dry chemical, carbon dioxide, foam and water.

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. Extinguish only if flow can be stopped. Use flooding amounts of water as a fog. Avoid breathing vapors.

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#### **SECTION 6 Accidental release measures**

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Land spill or leaks:

*Small spill:* Absorb with an inert absorbent material such as granular clay, saw dust or pet litter. Sweep up carefully while avoiding the formulation of a dust cloud. Place in an approved chemical waste container for disposal. Rinse spill area with small amount of soapy water. Contain and absorb the rinsate with inert absorbents and place into the same disposal container. Area can be washed with water to remove the last trace residue. Do not allow water to contaminate water supplies or sewers.

*Large spill:* Eliminate all ignition sources. Stop leak if you can do so without coming into contact with spilled material. Dike far ahead of liquid spill for later disposal. All equipment used to clean up spill should be grounded. Prevent entry into waterways, sewers, basements or confined areas. Inform appropriate authorities immediately if contamination occurs.

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## SECTION 7 Handling and storage

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage: Store in a cool and dry place out of reach of children. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

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## SECTION 8 Exposure controls/Personal protection

Control airborne concentrations below the exposure guidelines. Local exhaust ventilation may be necessary.

Eye and face protections: Safety glasses, splash goggles or face-shield.

Skin protections: Long-sleeved shirt and long pants waterproof gloves chemical-resistant footwear. Wash contaminated skin promptly. Launder contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

Respiratory protection: Ensure adequate ventilation. If not adequate, use a chemical cartridge-type respirator.

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## SECTION 9 Physical & Chemical properties

Appearance: Transparent Liquid

Odour: Odourless

Solubility in H<sub>2</sub>O: EC

Specific gravity: 1.021±0.15 (25<sup>0</sup>C)

Vapor Pressure: < 1×10<sup>-3</sup> mPa (25<sup>0</sup>C)

Explosivity: Not explosive

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## SECTION 10 Stability & Reactivity

Stability: Stable under normal condition

Hazardous Polymerization: Will not occur

Conditions to Avoid: Strong alkaline

Instability: Not Known

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## SECTION 11 Toxicological Information

Acute Toxicity /Irritation Studies

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Ingestion:

- Oral LD<sub>50</sub> (Male rats) = 217 mg/kg body weight
- Oral LD<sub>50</sub> (Female rats) = 146 mg/kg body weight
- Oral LD<sub>50</sub> (Male mice) = 198 mg/kg body weight
- Oral LD<sub>50</sub> (Female mice) = 184 mg/kg body weight

Dermal: Dermal LD<sub>50</sub> (Rat) > 2000 mg/kg body weight

Inhalation: LC<sub>50</sub> (Rat) > 0.29 mg/L air - 4 hours

Eye Contact: Non Irritating (Rabbit)

Skin Contact: Non irritating (Rabbit)

Skin Sensitization: Not a sensitizer (Guinea Pig)

Chronic Toxicity Studies

In long term animal feeding studies there was no evidence of carcinogenicity. Not considered a carcinogen or mutagen. In reproductive and developmental studies in animals, there was no effect on reproduction. Not considered a reproductive toxicant.

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**SECTION 12 Ecological Information**

- Product is moderately toxic to birds and fish.

Birds: Acute oral LD<sub>50</sub> for mallard ducks 190 mg/kg

Fish: LC<sub>50</sub> (24-96 h) for carp >100mg/L

Daphnia: LC<sub>50</sub> (3-6 h) >1000mg/L

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**SECTION 13 Disposal Considerations**

Do not contaminate water, food, or feed by disposal. Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incinerating, or if allowed, by burning. If burned, stay out of smoke.

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**SECTION 14 Transport Information**

DOT/IATA/IMO: UN No.: 2588

UN Hazard Class: 6.1

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#### **SECTION 15 Regulatory Information**

OSHA (highly hazardous chemicals): Not Listed

SARA (extremely hazardous substance): Not Listed

CERCLA (Hazardous Substance): Not Listed

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#### **SECTION 16 Other Information**

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for use with other materials or in processes other than those specifically described herein.

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