

ASTER EXTRIM 20SL™
MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT&COMPANY IDENTIFICATION

Product Name: Aster Extrim 20SL™ (Acetamiprid + Cypermethrin)

Chemical Name: (E)-N¹-[(6-chloro-3-pyridyl)methyl]-N²-cyano-N¹-methylacetamidine + a-cyano-(3-phenoxyphenyl)methyl-cis, trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate

Formula: C₁₀H₁₁ClN₄ + C₂₂H₁₉Cl₂NO₃

Product Use: Commercial Insecticides

Supplier: SINERIA HOLLAND BV
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SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>Percent % (w/v)</u>	<u>CAS RN</u>
Acetamiprid	20	135410-20-7
Cypermethrin	5	52315-07-8

SECTION 3 HAZARDS IDENTIFICATION

Inhalation: Harmful if inhaled. Avoid breathing dust or spray mist.

Eye Contact: Avoid contact with eyes.

Skin Contact: Harmful if absorbed through skin. Avoid contact with skin or clothing.

Ingestion: Harmful if ingested.

Chronic Effects of Overexposure: This product does not contain any ingredients designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Other Toxic Effects: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

Signs and Symptoms: Have the product container or label with you when calling a poison control center or doctor or going for treatment.



SECTION 4 FIRST AID MEASURES

GENERAL ADVICE: If you feel unwell, seek medical advice (show the label where possible).

IF IN EYES: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.

IF ON SKIN: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately.

IF SWALLOWED: Provided the patient is conscious, wash out mouth with water. Immediately contact physician or Poison Control Center. Do not induce vomiting. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Obtain immediate medical attention.

MEDICAL ADVICE: This product contains materials (cypermethrin) that may cause severe pneumonitis if aspirated. If ingestion has occurred less than 2 hours earlier, carry out careful gastric lavage; use endotracheal cuff if available, to prevent aspiration. Observe patient for respiratory difficulty from aspiration pneumonitis. Give artificial resuscitation and appropriate chemotherapy if respiration is depressed. Symptomatic treatment and supportive therapy as indicated.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point (°C): >45°C

EXTINGUISHING MEDIA: For small fires use foam, carbon dioxide or dry powder extinguishing medium. For large fires, use foam or water-fog; avoid the use of water jet. Contain run-off water with, for example, temporary earth barriers.

FIRE AND EXPLOSION HAZARDS: Flammable. Keep fire exposed containers cool by spraying with water.

PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Unusual fire and explosion hazards: The vapor is heavier than air and may travel a considerable distance to a source of ignition.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General and Disposal

Evacuation Procedures and Safety: Personnel handling this material should be thoroughly trained to handle spills and releases. Wear appropriate gear for the situation. See Personal Protection information in Section 8.

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Cleanup and Disposal of Spill: Absorb spill in absorbent material such as pet litter, sweep up and place in an approved chemical container. No sparking tools should be used. Avoid creation of dusty conditions. Clean up residual material by washing area with water and detergent. Collect washings for disposal.

Decontaminate tools and equipment following cleanup.

Spill or Leak Procedures

Containment of Spill: Stop leak if it can be done without risk. Follow procedure under Cleanup and Disposal of Spill.

Environmental and Regulatory Reporting: Do not flush to drain. If spilled on the ground, the affected area should be scraped clean and placed in an appropriate container for disposal. Prevent material from entering public sewer system or any waterway.

SECTION 7 HANDLING AND STORAGE

SAFE HANDLING ADVICE: Avoid breathing vapors or spray mist. Use normal good industrial hygiene and housekeeping practices.

REQUIREMENTS FOR STORAGE ROOMS: Keep in original containers, tightly closed and locked up. Keep out of the reach of children and away from food.

STORAGE TEMPERATURE: Ideal storage temperature is 10-27 °C. Do not expose sealed containers to temperatures above 40 °C.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: If needed, use local exhaust to keep exposures to a minimum.

EYE PROTECTION: Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a face-shield, selected in regard to exposure potential.

BODY PROTECTION: Gloves and protective clothing made from neoprene should be impervious under conditions of use.

RESPIRATORY PROTECTION: Use MSHA-NIOSH approved respirator for pesticides. Where potential exposure under the use conditions necessitates higher level of protection, use a full-face positive pressure air supplied respirator.

OTHER PROTECTIVE EQUIPMENT: Eyewash station and safety shower in work area.

SECTION 9 PHYSICAL PROPERTIES

Appearance: Light yellow transparent liquid

Acidity (as H₂SO₄): 0.5%max

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Water content: 0.5%max

pH: 6-9

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable at room temperature.

Incompatibility: Strong bases, strong acids and strong oxidizing agents.

Hazardous polymerization: Will not occur.

Conditions to avoid: Keep away from heat. Keep away from sources of ignition - No Smoking.

Hazardous decomposition products: Thermal decomposition products are toxic and may include hydrocarbons, ammonia, organic and acid halides, oxides of carbon, nitrogen and sulphur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity Data

Acetamiprid

Oral (acute): LD₅₀ for male rats 217, female rats 146, male mice 198, female mice 184 mg/kg

Dermal (acute): LD₅₀ for male and female rats >2,000 mg/kg.

Inhalation (acute): LC₅₀ (4 h) for male and female rats >0.29 mg/l

Skin Irritation: Non-irritating (rabbits)

Eye Irritation: Non-irritating (rabbits)

NOEL (2 y): for rats 7.1 mg/kg b.w.; (18 mo) for mice 20.3 mg/kg b.w.; (1 y) for dogs 20 mg/kg b.w.

Other: Negative in the Ames test.

Cypermethrin

Oral (acute): LD₅₀ for rats 250-4150, mice 138 mg/kg

Dermal (acute): LD₅₀ for rats >4920, rabbits >2460 mg/kg.

Inhalation (acute): LC₅₀ (4 h) for rats 2.5 mg/l

Skin Irritation: Slight-irritating (rabbits)

Eye Irritation: Slight-irritating (rabbits)

May be a weak skin sensitiser.

NOEL (2 y): dogs 5, rats 7.5 mg/kg



SECTION 12 ECOLOGICAL INFORMATION

Toxic data

Acetamiprid

Birds: LD₅₀ for bobwhite quail 180 mg/kg. LC₅₀ for bobwhite quail >5000ppm.

Fish: LC₅₀ (24-96 h) for carp > 100mg/L.

Daphnia: LC₅₀ (3-6 h) 1000mg/L.

Cypermethrin

Birds: LD₅₀ for mallard ducks >10000, chickens >2000 mg/kg

Fish: Under field conditions fish are not at risk from normal agricultural usage.

Bees: Highly toxic to honeybees in laboratory tests, but field applications at recommended dosages do not put hives at risk.

SECTION 13 DISPOSAL CONSIDERATIONS

General Disposal Guidance: Do not contaminate water, food, or feed by storage or disposal. Contamination with this product will render water, food or feed unfit for human or animal consumption. Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Disposal: Do not reuse containers. Rinse the emptied container thoroughly and add the rinsings to the mixture in the spray tank. Dispose of product containers, waste containers and residues in accordance with municipal and provincial regulations.

SECTION 14 TRANSPORTATION INFORMATION

UN No.: 2902

Class: 6.1

PACKING GROUP: III

PROPER SHIPPING NAME: Pesticide, Liquid, Toxic, N.O.S. (acetamiprid + cypermethrin)

SECTION 15 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

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