

BLAST 60EC™ MATERIAL SAFETY DATA SHEET

SECTION 1 Chemical product and Company identification

Product Name: BLAST 60 EC™ (Acetamiprid + Lambda-cyhalothrin)

Chemical Name:

Acetamiprid: N-[(6-chloro-3-pyridyl)methyl]-N'-cyano-N-methyl-acetamidine

Lambda-cyhalothrin: A reaction product comprising equal quantities of (S)-a-cyano-3-phenoxybenzyl

(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate
and (R)-a-cyano-3-phenoxybenzyl

(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate

Roth: (S)-a-cyano-3-phenoxybenzyl

(Z)-(1R)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate
and (R)-a-cyano-3-phenoxybenzyl

(Z)-(1S)-cis-3-(2-chloro-3,3,3-trifluoropropenyl)-2,2-dimethylcyclopropanecarboxylate (1:1)

Formula:

Acetamiprid: C₁₀H₁₁ClN₄

Lambda-cyhalothrin: C₂₃H₁₉ClF₃N₃O₃

Product Use: Commercial Herbicide

Supplier: SINERIA HOLLAND BV

Randwycksingel 20-A015

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www.sineria.com

SECTION 2 Composition/Information on Ingredients

<u>Product Name</u>	<u>Qty g/lit</u>	<u>CAS RN</u>
Acetamiprid	30 gr/lit	135410-20-7
<i>Lambda-cyhalothrin</i>	30 gr/lit	91465-08-6

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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.

Note: 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

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 (lambda-cyhalothrin) 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: >45°C

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

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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.

Fire and Explosion Hazards: Flammable material. Keep fire exposed containers cool by spraying with water.

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

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. Personnel handling this material should be thoroughly trained to handle spills and releases. Wear appropriate gear for the site. Personal Protection information in Section 8.

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 formation 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 rinseate 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. 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.

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

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 product in original container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.



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 an appropriate MSHA-NIOSH type respirator.

SECTION 9 Physical & Chemical properties

Appearance: Light yellow transparent liquid

Acidity: 0.5% max (as H₂SO₄)

pH: 6-9

Water Content: 0.5% max

SECTION 10 Stability & Reactivity

Stability: Stable under normal condition

Hazardous Polymerization: Will not occur

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

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

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)

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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 sensitizer.

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

SECTION 12 Ecological Information

Acetamiprid

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

Daphnia: LC₅₀ (3-6 h) >1000 mg/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

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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 Transport Information

UN No.: 2902

Class: 6.1

PACKING GROUP: III

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

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 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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