1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Label Name: NOMINEE® 100 SC
Supplier: PHILAGRO SOUTH AFRICA (PTY) LIMITED
Block 3B, 1st Floor,
Sanwoodpark, 379 Queens Crescent,
LYNNWOOD 0181
Tel: (012) 348-8808
Fax: (012) 348-3500

Emergency Telephone No's:
Clean up & Spill: 0800 00 58 17
Tygerberg Hospital Poison Centre: (021) 931-6129

2. COMPOSITION / INFORMATION ON INGREDIENTS:

Substance/Mixture: Formulation
Chemical Name: Sodium 2,6-bis[(4,6-dimethoxypyrimidin-2-yl)oxy] benzoate
Common Name: Bispyribac-sodium (proposed to ISO)
CAS No.: 125401-92-5
Ingredients and Composition:
Active ingredient 10% (w/v) (9.7% w/w)
(Bispyribac-sodium)
Inert ingredient 90% (w/v) (90.3% w/w)
(Surfactant, water, etc.)

Chemical Family: Pyrimidinyl carboxy compounds
Formula: C₁₉H₁₇N₄NaO₈

3. HAZARDS IDENTIFICATION:

Adverse Human Health Effects:
Effect of over-exposure:
We have never faced the poisoning problem attributed to Nominee 100 SC on laboratory researches, factory workers and users, however, over-exposure experiments on animals showed that the administration of an extra-ordinary large quantity of Nominee 100SC may cause hypo activity, abnormal walking and prostration.

4. FIRST AID MEASURES:

Skin contact: Wash material off skin in flowing water or shower with soap. If irritation persists, consult a physician immediately.

Eye contact: Immediately flush with copious amount of water for at least 15 minutes. If irritation persists, consult a physician.

Inhalation: Remove the victim to fresh air and keep him warm and quiet. Get medical attention immediately. If not breathing, clear the airway and give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Induce vomiting by giving one or two glasses of water. Get medical attention immediately. If the victim is unconscious or having convulsions, never give fluids nor induce vomiting.
5. **FIRE FIGHTING MEASURES:**

- **Flash point:** Not available
- **Flammability:** Not applicable
- **Extinguishing Media:** Water, dry chemical powder, foam or carbon dioxide

**Special Fire Fighting Procedure:**
- Use water, dry chemical powder or carbon dioxide in extinguishing.
- For a fire in surrounding area, apply water to cool and protect surrounding equipments. Remove containers, if feasible, from the fire area to safe place immediately.
- Fire fighters should wear protective gears including a positive pressure self-contained breathing apparatus (SCBA). Evacuate non essential personnel.

6. **ACCIDENTAL RELEASE MEASURES:**

- Evacuate non essential personnel by roping the area of leak or spill. Evacuate people to upwind of the spilled area. Remove all sources of ignition: No flares, smoking, or flames in the area immediately. Wear protective gear and never work downwind.
- For small spills, absorb with inert materials (e.g. dry sand or earth), then place in a waste chemical container for disposal. Flush residual spill (area) with plenty of water.
- Prevent spills from entering sewers, watercourses or low areas.

7. **HANDLING AND STORAGE:**

- **Handling Precaution:** KEEP OUT OF REACH OF CHILDREN
  - When handling and spraying the product, wear duty working clothes, cap, gloves, glasses and mask to avoid contact with skin, eyes and inhalation of dust, fog and vapours.
  - After working thoroughly wash hands, face and possible exposed areas of body and change clothing.

- **Storage Precaution:**
  - Keep containers tightly closed and store in a cool, dark and dry place.

8. **EXPOSURE CONTROL / PERSONAL PROTECTION:**

- **Engineering Controls:**
  - The use of local exhaust ventilations is recommended. Containers should be kept tightly closed.
  - Make emergency showers and eye washes available in work areas.

- **Personal Protective Equipment:**
  - Wear chemical cartridge respirator with an organic vapour cartridge, airline respirator, positive pressure self-contained breathing apparatus, safety goggles, gloves and boots as appropriate.

9. **PHYSICAL AND CHEMICAL PROPERTIES:**

- **Appearance, Physical state, Form, Colour, Odour:**
  - Almost odourless off-white viscous suspension concentrate
SAFETY DATA SHEET 

NOMINEE 100 SC

Specific Gravity: 1.059 – 1.070 (20°C)
Viscosity: 450 – 650 mPa
Suspensibility: 102%
Dispersibility: Good
Compatibility: Compatible to almost all pesticides
Heat stability: Stable
Cold stability: Stable
pH: 9.12

10. STABILITY AND REACTIVITY

Flash point: Not applicable
Auto-ignition Temperature: Not applicable
Explosion Limit: Not applicable
Stability and Reactivity: Stable under normal conditions
Hazardous Polymerization: No data available
Incompatibility: Compatible to almost all pesticides
Storage stability: Stable for 3 years if stored in a cool, dark and dry place

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral: LD₅₀ (Rat) . >5,000 mg/kg (male & female)
Dermal: LD₅₀ (Rat) . >4,000 mg/kg (male & female)
Inhalation: LD₅₀ (Rat) . >3.99 mg/L (4 hours exp.)

Irritant Properties:
Eye irritation: (Rabbit) Not irritant
Skin irritation: (Rabbit) Mild irritant

Allergenic and Sensitizing Effects:
(Guinea pig) Not sensitizing

Mutagenic effects:
(Anywhere test) Negative (S-9 Mix + or -)

12. ECOLOGICAL INFORMATION:

Fish Toxicity:
Bluegill sunfish TLM₉₆ >100 ppm
Common carp TLM₉₆ >100 ppm
Daphnia magna TLM₄₈ >100 ppm

Avian Toxicity:
Bobwhite quail Acute LD₅₀ (Oral) >2,000 mg/kg
Mallard duck Acute LD₅₀ (Oral) >2,000 mg/kg

Earthworm Toxicity:
Acute LD₅₀ >1,000 mg/kg
(14 days exp.)

Honey bee Toxicity:
Topical LD₅₀ >200 µg/bee

13. DISPOSAL CONSIDERATIONS:

• Waste should be disposed of in a chemical incinerator equipped with afterburner and scrub.
• Do not dump into sewers or into any body of water.

14. **TRANSPORT INFORMATION:***

• Shippers must give transporters a transport pre-cautionary instruction at the time of shipping the product.
• Check the leakage of containers before loading. Make sure to load containers correctly to prevent them from falling down.
• Follow all regulations with regard to transporting chemicals in your country.

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15. **REGULATORY INFORMATION:***

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