

## BURAN

REGISTRATION NO: 30601

## LIQUID CONCENTRATE BIOLOGICAL FUNGICIDE PEST CONTROL PRODUCTS ACT

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Buran  
**ACTIVE INGREDIENT:** Garlic  
**USE:** Biological fungicide  
**CAS NUMBER:** 8000-78-0  
**CAS NAME:** Garlic

**MANUFACTURER:**  
AEF GLOBAL INC.  
440, 3e avenue, suite 100  
Levis, Quebec, Canada G6W 5M6

**EMERGENCY TELEPHONE NUMBERS:**  
Office hours: 1-866-622-3222 (toll free)  
1-418-838-4441

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

#### COMPOSITION:

| NAME:  | CAS #     | GUARANTEE          |
|--------|-----------|--------------------|
| Garlic | 8000-78-0 | 15 % garlic powder |

**FORMULA:** Not applicable

### 3. HAZARDS IDENTIFICATION

|                           |                                                                                                                                                                                                                   |                                |                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------|
| <b>CLASSIFICATION :</b>   | Skin irritant -<br>Category 3<br>Eye irritant -<br>Category 2B                                                                                                                                                    | <b>TLV AND SOURCE:</b>         | None established by<br>ACGIH or OSHA.                                                         |
| <b>SIGNAL WORD :</b>      | CAUTION                                                                                                                                                                                                           | <b>ACUTE EFFECTS:</b>          |                                                                                               |
| <b>PICTOGRAM :</b>        | Not required                                                                                                                                                                                                      | <b>INHALATION:</b>             | None known to exist                                                                           |
| <b>HAZARD STATEMENT :</b> | POTENTIAL SENSITIZER<br>CAUTION EYE IRRITANT<br>CAUTION SKIN IRRITANT                                                                                                                                             | <b>SWALLOWING:</b>             | None known                                                                                    |
| <b>PRECAUTION:</b>        | May cause eye irritation.<br>May cause skin irritation.<br>May cause skin<br>sensitization. Avoid<br>contact with skin, eyes or<br>clothing. Avoid breathing<br>spray mists. May cause<br>respiratory irritation. | <b>SKIN ABSORPTION:</b>        | Not known to occur                                                                            |
|                           |                                                                                                                                                                                                                   | <b>SKIN/EYE CONTACT:</b>       | Transient irritation may<br>occur                                                             |
|                           |                                                                                                                                                                                                                   | <b>CHRONIC HEALTH EFFECTS:</b> | Not known to exist                                                                            |
|                           |                                                                                                                                                                                                                   | <b>CARCINOGENICITY:</b>        | This material is not<br>considered to be a<br>carcinogen by the NTP,<br>the IARC or the OSHA. |

### 4. FIRST AID MEASURES

**SWALLOWING:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**EYES:** Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

eye. Call a poison control centre or doctor for treatment advice.

**Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.**

**Notes to Physician:** *There is no specific antidote if this product is ingested. Treat symptomatically.*

## 5. FIRE AND EXPLOSION DATA

|                                |                         |                               |                         |
|--------------------------------|-------------------------|-------------------------------|-------------------------|
| <b>FLASH POINT:</b>            | Not applicable          | <b>UNUSUAL FIRE EXPLOSION</b> |                         |
| <b>FLAMMABILITY:</b>           | Not applicable          | <b>OR REACTIVITY HAZARD:</b>  | None known to exist     |
| <b>FLAMMABLE LIMITS IN AIR</b> |                         | <b>EXTINGUISHING MEDIA:</b>   | No special requirements |
| <b>% BY VOLUME:</b>            | Not available           | <b>HAZARDOUS COMBUSTION</b>   |                         |
| <b>SPECIAL FIRE FIGHTING</b>   |                         | <b>PRODUCT:</b>               | None known              |
| <b>PROCEDURES:</b>             | No special requirements |                               |                         |

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL INFORMATION:** Buran's active ingredient, garlic, is *generally recognized as safe* (GRAS) by the Food and Drug Administration (FDA) and no significant adverse effects to humans or the environment are associated with the use of Buran.

**SPILL OR LEAK PROCEDURES:** If spill occurred, contact the regional office of the provincial pesticide regulatory agency or the manufacturer.

## 7. HANDLING AND STORAGE

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. May cause eye and skin irritation. May cause skin sensitization and respiratory irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mists.

**STORAGE:** Store in a cool area at temperatures between **4°C** and **20°C**; long exposure to higher temperatures may reduce product activity.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**VENTILATION:** Local exhaust as necessary.

**PERSONAL PROTECTION:**

**RESPIRATORY PROTECTION:** None required under usual conditions of use. If potential exposure to aerosol in enclosed, poorly ventilated area, use air purifying respirator with dust/mist filter if needed.

**PROTECTIVE GLOVES:** To avoid contact with skin, wear water-proof gloves

**EYE PROTECTION:** To avoid contact with eyes, wear safety glasses with side shields or chemical goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                    |                            |                    |
|--------------------------|--------------------|----------------------------|--------------------|
| <b>APPEARANCE:</b>       | Beige              | <b>SOLUBILITY:</b>         | Disperses in water |
| <b>ODOUR:</b>            | Slight garlic odor | <b>pH:</b>                 | 9.0-10.0           |
| <b>MELTING POINT:</b>    | Not applicable     | <b>VAPOR PRESSURE:</b>     | Not available      |
| <b>BOILING POINT:</b>    | Not applicable     | <b>% VOLATILES/VOLUME:</b> | Not available      |
| <b>SPECIFIC GRAVITY:</b> | Not applicable     |                            |                    |

## 10. STABILITY AND REACTIVITY DATA

|                                  |                |                             |            |
|----------------------------------|----------------|-----------------------------|------------|
| <b>STABILITY:</b>                | Stable         | <b>CONDITIONS TO AVOID:</b> | None known |
| <b>HAZARDOUS POLYMERIZATION:</b> | Will not occur |                             |            |

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None known

**HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:**

None known

## 11. TOXICOLOGICAL INFORMATION

**GENERAL INFORMATION:** Buran's active ingredient, garlic, is *generally recognized as safe* (GRAS) by the Food and Drug Administration (FDA) and no significant adverse effects to humans are associated with the use of Buran.

**TOXICITY DATA:** Not available

## 12. ECOLOGICAL INFORMATION

**GENERAL INFORMATION:** Buran's active ingredient, garlic, is *generally recognized as safe* (GRAS) by the Food and Drug Administration (FDA) and no significant adverse effects to the environment are associated with the use of Buran.

**ECOLOGICAL TOXICITY DATA:** Not available

## 13. DISPOSAL CONSIDERATIONS

**GENERAL INFORMATION:** Dispose of product containers and waste product in accordance with provincial regulations and label instructions.

## 14. TRANSPORT INFORMATION

**UN NUMBER:** Not applicable

**PACKING GROUP:** Not applicable

**TDG CLASSIFICATION:** Not regulated

**SPECIAL SHIPPING INSTRUCTION:** Not applicable

## 15. OTHER REGULATORY INFORMATION

**FEDERAL REGULATIONS:** This pest control product is subject to the *Pest Control Products Act* and Regulations, and the *Food and Drugs Act* and Regulations.

## 16. OTHER INFORMATION

**SUPPLEMENTAL INFORMATION:** The information and recommendations contained herein are based on data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made by AEF Global Inc. with respect to the information contained herein.

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For more information, refer to the label. You can also visit [www.aefglobal.com](http://www.aefglobal.com).