SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

ERYST Science South Africa (Pty) Ltd
Co. Reg. No.: 2009/019713/07
7 Sunbury Office Park, Douglas Saunders Drive
La Lucia Ridge, 4019

Product Name: EVEREST 70 WG
Product Use: Herbicide
Creation Date: May 2007
Revision Date: August 2019

24 Hr Emergency Number:
In case of Poisoning: Poisons Helpline 0861 555 777
In case of Spillage: Spill Tech Oil & Chemical Pollution Control 086 100 0366 / 083 253 6618

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Common Name: Flucarbazone-sodium
Chemical Name: [4,5-Dihydro-3-methoxy-4-methyl-5-oxo-N-((2-(trifluoromethoxy)phenyl)sulfonyl)-1H-1,2,4-triazole-1-carboxamide, sodium salt]
Chemical family: Sulfonylamino carbonyltriazolinone
Use: For control of both adult and larval lepidopterous insects in maize, cotton, tobacco, pome and stone fruit, nuts, grapes, rice, turf and vegetables.
Formulation: Flucarbazone 700 g/kg WG
Water dispersible granules

Hazardous ingredients of toxicological concern:
Inert: Flucarbazone-sodium Tech: irritant % present: 70 % w/w

Symbol:
Indication of Danger: None
RISK-PHRASE(S) R36

SECTION 3 - HAZARD IDENTIFICATION

Inhalation:
Not harmful by inhalation under normal handling operations.

Ingestion:
Not harmful by ingestion under normal handling operations

Skin Contact:
This product does not cause skin irritation. This product is not a skin sensitizer.

Eye Contact:
This product is moderately irritating to the conjunctiva and iris of the eyes. Symptoms of irritation were cleared within 24 hours post-treatment.

Chronic Exposure:
No evidence of carcinogenicity based on long-term animal studies. This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

Reproductive and Developmental Toxicity: No evidence of reproductive and developmental toxicity based on animal studies

SECTION 4 - FIRST AID MEASURES AND PRECAUTIONS

Inhalation:
First, remove victim to fresh air or uncontaminated area. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice.
Skin contact:
Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact:
Hold eyelids 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 center or doctor for treatment advice.

Ingestion:
If ingestion is suspected, call a physician or poison control center immediately for treatment advice. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoonful (15 ml) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.

SECTION 5 - FIRE-FIGHTING MEASURES

Fire hazard and explosion hazard:
None
Extinguishing agents:
Water, CO₂, dry chemical, foam

Fire-fighting:
Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use SCBA. Contain run-off to prevent entry into sewers or waterways. Equipment used in fires may become contaminated.

SECTION 6 - ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Isolate area and keep unauthorized people away. Do not walk through spilled material. Avoid breathing dusts and skin contact. Avoid generating dust (a fine water spray mist, plastic film cover, or floor sweeping compound may be used if necessary). Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

SECTION 7 - HANDLING AND STORAGE REQUIREMENTS

Store in a cool, dry and well-ventilated area away from heat sources. Store in an area designated specifically for pesticides. Do not store near any material intended for use or consumption by humans or animals. Storage temperature minimum is 32°F/0°C 30-day average and not to exceed a maximum of 100°F/38°C. The shelf life is time and temperature dependent.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Comply with occupational safety, environmental, fire, and other applicable regulations.

PERSONAL PROTECTIVE EQUIPMENT:
Respirator:
Control exposure levels through the use of general and local exhaust ventilation where needed. When needed, based on conditions of use, wear a NIOSH-approved particulate respirator.
Clothing:
Wear long sleeves and trousers to prevent skin contact. Clean water should be available for washing in case of skin contamination. Launder clothes after use. Wash thoroughly after handling.
Gloves:
Chemical-resistant gloves such as nitrile.
Eye protection:
Goggles should be used when needed to prevent material from getting into the eyes. Clean water should be available for washing in case of eye contamination.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Free flowing granule, tan
Odour:
Pungent odour.
Flash point:
Not applicable.

MATERIAL SAFETY DATA SHEET
Bulk density: 0.529 g/mL
pH: Not applicable
Solubility: 3.1% (w/w) for flucarbazone-sodium

SECTION 10 - STABILITY AND REACTIVITY

Stability:
This is a stable material.
Polymerization:
Will not occur
Decomposition products:
No data available

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Effects:
Eyes: This product is a moderate irritant to the cornea and iris (rabbit). Irritation cleared within 24 hours post-treatment.
Skin: This product is not a dermal irritant (rabbit).
Ingestion: Moderately toxic by ingestion. Symptoms may include diarrhoea and stomach pain.
Oral LD₅₀: rat: >5000 mg/kg
Dermal LD₅₀: >2000 mg/kg
Inhalation: The 4 hour inhalation LC₅₀ (dust) of this product in rats is > 5.113 mg/l.

SECTION 12 - ECOLOGICAL INFORMATION

The following information is based on the active ingredient, flucarbazone-sodium technical.

Aquatic Organism Toxicity:
As with any pesticide, this product should be used according to label directions and should be kept out of streams, lakes and other aquatic habitats of concern.
Fish toxicity: LC₅₀ (96-hr) > 96.7 mg/L (Rainbow trout)
           LC₅₀ (96-hr) > 99.3 mg/L (Bluegill sunfish)
Invertebrate toxicity: EC₅₀ (48-hr) = 38.8 mg/L (Daphnia magna)
                      EC₅₀ > 10,000 mg/L (bacteria)
                      IC₅₀ (96-hr) = 6.4 mg/L (green algae)
Avian Toxicity: Flucarbazone-sodium is not toxic to birds.
Acute oral LD₅₀ (Bobwhite quail): > 2000 mg/kg
Subchronic oral LC₅₀: > 4646 mg/kg (Bobwhite quail)
Reproductive toxicity NOEC: 1311 mg/kg (Bobwhite quail)
                           223 mg/kg (Mallard duck)
Other Non-Target Organisms:
Flucarbazone-sodium is not toxic to bees.
The acute LD₅₀ is > 445µg/bee for oral and
> 200 µg/bee for direct contact.

SECTION 13 - DISPOSAL CONSIDERATION

Check governmental regulations and local authorities for approved disposal of this material. Dispose in accordance with applicable laws and regulations. Incineration is the preferred method of disposal. Do not reuse container.

SECTION 14 - TRANSPORT INFORMATION

UN No.: Not regulated
Road Transport ADR/IRD: Not regulated

Issued by: Arysta Lifescience South Africa
Poisons Helpline 0861 555 777
Spillage Helpline (Spill Tech) 086 100 0366

MATERIAL SAFETY DATA SHEET

Product Name: Everest 70 WG
Phone: 031 514 5600
SECTION 15 - REGULATORY INFORMATION

Symbol: Xn
Indication of danger: Irritant
Risk phrases:

R 36 Irritating to eyes and skin.

Safety phrases:
S 2 Keep out of the reach of children.
S 24/25 Avoid contact with skin and eyes.
S 60 This material and its container must be disposed of as hazardous waste.
S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

SECTION 16 - OTHER INFORMATION

Packaging:
Packed in 43g; 86g; 215g and 430 g water soluble sachets inside a foil bag. Also, 1kg; 5kg and 10 kg plastic lined metal foil bags and labelled according to South African regulations and guidelines.

Disclaimer:
The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.
All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors and omissions or the consequence thereof.