



Safety Data Sheet

Recoil L8360 (Act 36 of 1947)

N-AR 1689

Date of issue: 08/03/2011

Date revised: 29/11/2016

| 1) PRODUCT AND COMPANY IDENTIFICATION | | | | | |
|--|-------------------|--|--------|---|-------------------------------------|
| Product name: | | RECOIL | | | |
| Other means of identification: | | Fipronil 200 g/L SC | | | |
| Recommended use: | | Insecticide | | | |
| Restrictions on use: | | Agriculture | | | |
| UN No: | | 3082 | | | |
| Distributed by: | | MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za | | | |
| Emergency Number: | | POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 TYGERBERG:021 931 6129 RED CROSS 021 689 5227 GRIFFON POISON CENTRE: 082 446 8946. | | | |
| Chemical Name: | | (RS)-1-[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-3-(2,6-difluorobenzoyl)urea | | | |
| 2) Hazards Identification: | | | | | |
| Classification of the product is based on the co-formulants listed in section 3 | | T; N; R20/22; R23/24/25; R41; R48/25; R50/53; R57 Full text of R-phrases; see section 15 | | | |
| Label elements: | | Hazard symbols: T – Toxic N – Dangerous for the environment   Signal word: Toxic | | | |
| Health effects: eyes: | | May cause mild irritation. | | | |
| Health effects: skin: | | May cause mild irritation. | | | |
| Health effects: ingestion | | Harmful if swallowed | | | |
| Health effects: inhalation | | Harmful by inhalation | | | |
| 3) Composition Details: | | | | | |
| Chemical name | Composition (g/L) | CAS No. | EC No. | CLP Classification | DSD Classification |
| Fipronil | 200 | 120068-37-3 | | Acute Tox. 3, H301/H311/H331 STOT RE 1, H372 Aquatic Acute 1, H400 | T; R23/24/25-48/25 N; R50-53 |

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| | | | | Aquatic Chronic 1, H410 | |
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Full text of R- and S-phrases: see section 15.

4) First Aid Measures:

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| <p>Inhalation:</p> <p>Skin contact:</p> <p>Eye contact:</p> <p>Ingestion</p> <p>Advice to physician:</p> | <p>Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.</p> <p>Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical assistance if irritation occurs.</p> <p>Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance immediately.</p> <p>Do NOT induce vomiting; seek medical advice immediately and show this container of label or contact the Poisons Information Centre on 012 664-1100 (Unitas Hospital). Make every effort to prevent vomit from entering the lungs by careful placement of the patient. The above first aid instructions are made by the Commonwealth Department of Health and Aged Care via the National Drugs and Poisons Schedule. These instructions are suitable for ingestion of spray solution and small amounts of concentrate; however, if SUBSTANTIAL AMOUNTS of the concentrate have been swallowed (more than about 15ml or one tablespoon) AND if medical assistance is more than 30 minutes away, the induction of vomiting, should be CONSIDERED, preferably based on MEDICAL ADVICE if a physician can be contacted by phone. All care must be taken to prevent vomit from being inhaled. Do not give anything by mouth to a semi-conscious or unconscious person.</p> <p>No specific antidote known. Treat symptomatically.</p> |
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5) Fire-Fighting Measures:

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| <p>Flash point:</p> <p>Extinguishing Media:</p> <p>Unsuitable extinguishing media:</p> <p>Fire Fighting:</p> | <p>Not flammable</p> <p>Fine water spray, foam, carbon dioxide. Do not use high volume water jet, due to contamination risk.</p> <p>Water jet, due to contamination risk.</p> <p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Avoid pollution of waterways.</p> <p>Generating poisonous and corrosive fumes containing: carbon monoxide, nitrogen oxides and hydrochloric acid.</p> |
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| Special hazards arising from the substance or mixture: | UNUSUAL FIRE OR EXPLOSION HAZARDS: Combustion products are toxic and/or irritant. |
| Protective clothing: | Full protective clothing and self-contained breathing apparatus |
| 6) Accidental Release Measures: | |
| Personal precautions: | Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use. |
| Environmental precautions: | Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately. |
| Occupational spill: | Wear protective clothing. Clear area of unprotected personnel. Collect spilled material and waste in sealable open top type containers for safe disposal. Wash area with water and detergent and absorb with further inert material. Heavily contaminated soil layers must be dug out down to clean soil. If spill does enter waterways contact the local authority. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility. If containers cannot be recycled, they should be disposed of together with the waste chemical. |
| 7) Handling & Storage: | |
| Handling: | Avoid skin and eye contact and inhalation of spray mist. Avoid inhalation of fog and vapours. Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers |
| Storage: | Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, fertilisers and seeds and out of direct sunlight. Keep away from children or uninformed persons. |
| 8) Exposure Control / Personal Protection: | |
| It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations. | |
| <u>PERSONAL PROTECTIVE EQUIPMENT:</u> | |
| Clothing: | Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. cotton overalls buttoned to the neck and wrist, water resistant footwear and a washable hat. Full face piece respirator or half facepiece respirator |
| Gloves: | Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance (elbow-length PVC gloves) |
| Eye and respiratory protection: | Full-facepiece respirator (or goggles and half facepiece respirator) |
| Emergency eye wash: | Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use. |
| 9) Physical & Chemical Properties: | |
| Form: | Liquid |
| Colour: | White |
| Odour: | Characteristic |

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| Solubility: | Suspends in water |
| pH: | 7.3 |
| Melting point / Freezing point: | No data available |
| Initial boiling point and boiling range: | No data available |
| Flash point: | Not flammable |
| Evaporation rate: | No data available |
| Flammability (solid, gas) | Not flammable |
| Upper / lower flammability or explosive limits: | No data available |
| Vapour pressure: | No data available |
| Vapour density: | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Auto-ignition temperature: | No data available |
| Viscosity: | No data available |
| 10) Stability & Reactivity: | |
| Stability: | When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Protect from light and humidity. |
| Conditions to avoid: | Protect from extreme temperatures and direct sunlight. |
| Incompatible materials: | Strong bases, strong acids and strong oxidizing agents. |
| Hazardous decomposition product(s): | If involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen, hydrogen chloride and hydrogen fluoride. |
| 11) Toxicological Information: | |
| Oral : LD ₅₀ > 2 000 mg/kg, rat. Dermal : LD ₅₀ > 2 000 mg/kg, rabbit. Inhalation : LC ₅₀ (4h) > 1 mg/L, rat. Skin irritation: Mild irritant, rabbit. Eye irritation : Mild irritant, rabbit. Sensitization : Did not cause sensitization on laboratory animals. | |
| 12) Ecological Information: | |
| Bees : Highly toxic to honeybees, both by direct contact and by ingestion. Birds : LD50 Bobwhite quail 48 mg/kg, Mallard ducklings > 5000 mg/kg. Fish : LC50 (96h) Rainbow trout >200 ug/L, Bluegill sunfish >80 ug/L. Daphnia : EC50 (48h) > 0.15 mg/L. Algae : EC ₅₀ (96 h) for <i>Scenedesmus subspicatus</i> 0.065 mg/L. Worms : Non-toxic. Persistence: Rapidly degraded in biologically active soils under aerobic conditions. DT50 13-20days. | |
| 13) Disposal Considerations: | |
| Waste Disposal : In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved chemicals waste disposal facility. Container Disposal : Refer to the product label for instructions. Container Refilling and Disposal: If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Do not transport if this container is damaged or leaking. | |
| 14) Transportation Information: | |
| UN NUMBER: 3082 | |

Road Transport ADR/ RID:

Class: 9

Packaging group: III

Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Fipronil

Air Transport IATA / IMO:

Class: 9

Packaging group: III Labelling no:

9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. , Fipronil

Maritime Transport IMDG / IMO:

Class: 9

Packaging group: III

Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. , Fipronil

Marine Pollutant Yes

15) Regulatory Information:

Symbol(s): T – Toxic
N - Dangerous for the environment.

R-phrase(s):

R20/22 – Harmful by inhalation and if swallowed.

R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed.

R41 – Risk of serious damage to eyes.

R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R57 – Toxic to bees.

S-phrase(s):

S1/2 – Keep locked up and out of the reach of children.

S13 – Keep away from food, drink and animal feeding stuffs.

S25 – Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek advice.

S28 – After contact with skin, wash immediately with plenty of non-abrasive soap and water.

S36/37 – Wear suitable protective clothing and gloves.

S45 – In case of accident or if you feel unwell, see medical advice immediately (Show the label where possible).

S46 – If swallowed, seek medical advice immediately and show this container or label.

S60 – This material and its container should be disposed of as hazardous waste.

S61 – Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazard Statements:

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H331: Toxic if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long-lasting effects.

16) Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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