

Safety Data Sheet

Basis

Reviewed: March 2016

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name:	BASIS
Recommended Use:	Selective herbicide for the control of broadleaf weeds in cereals
Company Identification:	Ravensdown Limited
Address:	292 Main South Road Hornby Christchurch
Customer Centre:	0800 100 123
National Poisons Information Centre:	0800 POISON (0800 764 766)
Emergency Telephone Number:	0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)
Transport Emergency:	IN AN EMERGENCY, DIAL 111 – FIRE or POLICE

Section 2: HAZARD IDENTIFICATION

Hazard Classifications:	6.3B, 9.1A, 9.2A
Priority Identifiers:	ECOTOXIC
Secondary Identifiers:	6.3B = may cause skin irritation, avoid skin contact. 9.1A = Very toxic to aquatic organisms 9.2A = Very toxic in the soil environment

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Chlorsulfuron	64902-72-3	75%
Non-hazardous ingredients	proprietary	25%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
Skin:	Remove contaminated clothing and wash affected area thoroughly with soap and water. If a large area is affected seek medical assistance.
Eye:	Flush with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance if necessary.
Advice to Doctor:	Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Flammability:	Non flammable
Hazardous Combustion Products:	If involved in a fire may evolve oxides of carbon, nitrogen and sulphur
Extinguishing Media:	Water fog, foam, carbon dioxide or dry chemical

Protective Equipment:	Full protective clothing and self-contained breathing apparatus
HAZCHEM Code:	2X
Location Certificate:	Not applicable
Hazardous Atmosphere Zone:	Not applicable
Fire Extinguishers:	Not applicable

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Sweep up solids without generating dust. Contain liquid spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin, eyes and inhalation of spray mist. Approved Handler: This product must be under the control of an approved handler when applied in a wide dispersive manner or used by a commercial contractor Tracking: Not required Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals must be kept.
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertiliser and seed. Store in accordance with NZS 8409 Management of Agrichemicals. Do not store with classes 1, 2, 3.2, 4 or 5 substances. This product is subject to signage and secondary containment when stored in quantities of 100kg or more, either alone or in aggregate with substances of the same hazard classification. More than 100kg requires emergency response plans. For full details refer to NZS 8409 Management of Agrichemicals and HSNO Regulations (Emergency Management and Identification Regulations).
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product by OSHA
Protective Equipment:	When opening the container, preparing spray and when contact with concentrate or solution is likely, wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.
Engineering Controls:	Handle in well ventilated area. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits. Avoid inhalation of spray mist.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off white granules
Odour:	Odourless
Density:	Not available
Solubility in Water:	Disperses in water
pH:	Not applicable
Other Information:	(WDG) Water Dispersible Granule

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
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Hazardous Polymerisation: Hazardous polymerisation will not occur

Materials to Avoid: Avoid contact with strong oxidising agents

Section 11: TOXICOLOGICAL INFORMATION

Hazard Classifications:	6.3B
Inhalation:	Acute Inhalation No data No adverse effects are to be expected. When applying this product avoid inhalation of spray mist.
Ingestion:	Acute Toxicity (Oral) LD ₅₀ (rat) >5000mg/kg for chlorsulfuron Amounts as single exposure swallowed incidental to normal handling are unlikely to cause injury.
Skin:	Acute Toxicity (Dermal) LD ₅₀ (rabbit) >2000mg/kg for chlorsulfuron May cause milk skin irritation on prolonged contact
Eye:	Not an eye irritant
Chronic Effects:	Based on animal studies, repeated exposure is unlikely to cause additional adverse effects.
Reproductive Toxicity:	Data indicates no reproductive effects
Mutagenicity:	No mutagenic or teratogenic effects expected
Carcinogenicity:	Based on the results of animal studies not considered to be carcinogenic to humans

Section 12: ECOLOGICAL INFORMATION

Hazard Classifications:	9.1A, 9.2A
Ecotoxicity:	Acute Toxicity (fish) (chlorsulfuron) LC ₅₀ (minnow) (96hr) >980mg/l LC ₅₀ (rainbow trout) (96hr) >122mg/l Very toxic to aquatic organisms Acute Toxicity (birds) LD ₅₀ (mallard duck) >5000mg/kg LD ₅₀ (Bobwhite quail) >5500mg/kg Non toxic to birds Acute Toxicity (bees) LD ₅₀ >25ug/bee Non-toxic to bees Very toxic to some plant species (selective herbicide)
Persistence/Mobility:	Low mobility. Microbial degradation and hydrolysis is the major cause of loss from the soil. Average half life in soil is typically 28-42days.

Section 13: DISPOSAL INFORMATION

Product Disposal:	Dispose of product only by using according to label or at an approved landfill
Container Disposal:	Ensure container is completely empty. Burn in an appropriate incinerator if circumstance, such as wind direction permit. Otherwise crush and bury in an approved landfill. Do not use container for any other purpose.

Section 14: TRANSPORT INFORMATION

Transport Information:	It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport.
UN Number:	3077
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Chlorsulfuron 75%)
Hazchem	2X
DG Class:	9
Subsidiary Class:	None
Packing Group:	III
MTQ (non-commercaill)	1000Kg

Marine Pollutant: Yes
Hazchem Code: 2Z
IERG number: 47

Other Information: Do not carry more than 10kg of BASIS on a passenger service vehicle
Check the latest versions of the Land Transport Dangerous Goods Rule 45001 and associated Transport of Dangerous Goods on Land (NZS 5433) for additional information on maximum allowable transport quantities (MTQ's), placarding and segregation. Sea transport may require further segregation.

Section 15: REGULATORY INFORMATION

ACVM: Registered pursuant to the ACVM Act 1997, P8022
See www.foodsafety.govt.nz for registration conditions.

EPA: Approved pursuant to the HSNO Act 1996, Code: HSR000231
See www.epa.govt.nz for approval controls.

Section 16: OTHER INFORMATION

This SDS supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.