

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Not classified as non hazardous according to the criteria of NOHSC

COMPANY DETAILS:

Syngenta Crop Protection Pty Limited
A.B.N. 33 002 933 717
140-150 Bungaree Rd.,
PENDLE HILL, NSW, 2145

Telephone No.: (02) 9688 0444
24 Hours Emergency No.: 1 800 033 111

IDENTIFICATION

PRODUCT NAME: TOUCHDOWN[®] B-Power

Type:	soluble concentrate	Dangerous Goods Class/ and Subsidiary Risk:	none allocated
Chemical type:	pyrimidindione / glycine	Hazchem Code:	none allocated
Code No.:	A12387A	Packaging Group	none allocated
UN Number:	none allocated	Poisons Schedule:	5

USE: Herbicide For the control of various weeds prior to planting cereal crops as per Directions for Use

PHYSICAL DESCRIPTION/PROPERTIES--

Appearance:	light brown liquid	Flash point:	not detected
Odour:	weakly sweet	Flammability:	non-flammable
Vapour pressure:	not available	Behaviour in water:	soluble

OTHER PROPERTIES

Explosive properties:	non-explosive	Oxidising properties:	non oxidising
Ignition temperature:	not achieved	Corrosiveness:	non-corrosive
Thermal sensitivity:	stable to 150°C	Combustibility:	non-combustible
Self-heating properties:	not self heating	Volatility:	non-volatile
Specific Gravity:	1.08 – 1.14 g/cm ³	pH (1% aqueous):	3 - 7

INGREDIENTS -

	CAS No.	Content (% w/v)
Butafenacil technical grade	134605-64-4	0.5
Glyphosate as glyphosate-isopropylammonium (62% aqueous solution)	38641-94-0	22.5
other ingredients determined not to be hazardous		to 100

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

ACUTE TOXICITY-

This product is unlikely to present a hazard during normal use (WHO Hazard Class III).

Swallowed:

NOT HARMFUL

Tests on rats indicate this product is NOT HARMFUL following single oral doses of a similar formulation.

LD₅₀ > 5000 mg/kg

Dermal absorption: **NOT HARMFUL**
Tests on rats indicate this product is NOT HARMFUL following skin contact with a similar formulation.
LD₅₀ > 4000 mg/kg

Inhaled: **NOT HARMFUL**
Tests on rats indicate this product is NOT HARMFUL due to inhalation of a similar formulation.
LC₅₀ (4 h) >5.1 mg/L

Irritation

Eye: **SLIGHT IRRITANT**
Skin: **SLIGHT IRRITANT**

Sensitisation **NOT A SENSITISER**

Poisoning Symptoms

No cases of human poisoning are on record. The poisoning symptoms observed for laboratory animals were non-specific.

CHRONIC TOXICITY (BUTAFENACIL AND GLYPHOSATE)

Butafenacil technical and glyphosate have been extensively tested on laboratory mammals and in test-tube systems. The liver was identified as target organ for butafenacil. No evidence of neurotoxic, mutagenic, teratogenic or reproductive effects was obtained. No carcinogenic potential was noticed. Butafenacil inhibits haeme synthesis in animals. Liver necrosis and liver weight increases were observed. In addition, porphyria was observed in the rat. People with genetic porphyria may be adversely affected when exposed to butafenacil, leading to acute (hepatic) porphyria.

FIRST AID

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre. Phone 131 126.

Swallowed: Give plenty of water to drink. DO NOT induce vomiting. Seek immediate medical assistance.

Eye: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

Skin: Wash contaminated skin with plenty of water and soap. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Inhaled: Move person to fresh air and keep at rest until recovered. If any signs or symptoms occur or persist, get medical attention.

ADVICE TO DOCTOR

No specific antidote is available. Treat symptomatically.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS

	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Glyphosate technical	--	10	--	--

Exposure Potential - Swallowing is unlikely under normal conditions of usage. Significant skin uptake does not occur. Inhalation is a possible route of exposure. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all routes of exposure.

Re-entry Period - Do not enter treated areas without protective clothing until spray has dried.

ENGINEERING CONTROLS

No special requirements. Product is used outdoors. Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use.

PERSONAL PROTECTION

Avoid contact with eyes and skin. Do not inhale spray mist. Wear overalls, safety glasses or goggles and impervious gloves (PVC or nitrile gloves). After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing. Only use protective equipment bearing the mark of the Standards Association of Australia.

FLAMMABILITY

This product is NON-FLAMMABLE and non combustible.

SAFE HANDLING INFORMATION**STORAGE AND TRANSPORT**

Store in tightly sealed original containers in a dry secure place away from fertilisers, seed, feed and food. Store out of direct sunlight. Keep out of reach of children, unauthorised persons and animals.

SPILLS AND DISPOSAL

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact.
- Avoid contamination of waterways.

Procedure for spill:

- (1) Keep all bystanders away.
- (2) Wear full length clothing and PVC gloves.
- (3) Reposition any leaking containers so as to minimise further leakage.
- (4) Dam and absorb spill with an absorbent material (e.g. sand or soil).
- (5) Shovel the absorbed spill into drums.
- (6) Disposal of the absorbed material will depend upon the extent of the spill.
 - For quantities up to 50 L of product bury in a secure landfill site.
 - For quantities greater than 50 L seek advice (use emergency contact number below) from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
- (7) Decontaminate the spill area with detergent and water and rinse with water.

Dispose of empty, used containers by:

- (a) Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycle or designated collection point.
- (b) If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Returnable containers:

- (a) Empty contents fully into application equipment.
- (b) Close all valves and return to Syngenta Crop Protection, Pendle Hill, Sydney for re-use.

FIRE/EXPLOSION HAZARD

This product is a non-combustible liquid, however, following evaporation of aqueous component residual material may burn. Extinguish warehouse and factory fires using fine water-spray, foam, carbon dioxide or dry chemical powder. During a fire this product may release toxic fumes including those of ammonia, oxides of carbon, nitrogen, phosphorous and sulphur. When fighting a major fire wear SCBA and structural firefighters uniform. Do not allow fire-water to enter drains.

OTHER INFORMATION

This product is extremely toxic to algae and plants. Do not contaminate waterways. This product is practically non-toxic to fish, birds and bees.

Note: This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

CONTACT POINT: Regulatory Affairs Manager - Crop Protection - (02) 9688 0444
24 HOURS EMERGENCY CONTACT: 1 800 033 111

This Material Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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