

## SAFETY DATA SHEET

### Section 1: Identification: Product identifier and chemical identity

<b>Product Identifier:</b>	<b>Fast Action Weed Kill Ready to Use</b>
<b>Recommended Use:</b>	Herbicide
<b>Details of manufacturer or importer</b>	<b>Brunnings Garden Products PTY LTD</b>
<b>Address:</b>	<b>3/19-23 Clarinda Road Oakleigh South VIC 3167 AUSTRALIA</b>
<b>Website:</b>	<b>www.brunnings.com.au</b>
<b>Phone Number:</b>	<b>(03) 9543 5600</b>

### Section 2: Hazards identification

<b>Classification of the Hazardous Chemical:</b>	Not classified as hazardous under GHS criteria.
<b>Signal Word:</b>	-
<b>Hazard Statement(s):</b>	-
<b>Precautionary Statement(s):</b>	-
<b>Hazard Symbols:</b>	-

### Section 3: Composition and information on ingredients

SUBSTANCE		
<b>Chemical Identity of Pure Substance:</b>	Glyphosate present as the isopropylamine salt	Butafenacil
<b>Synonym:</b>	ASF72A	CGA276854
<b>CAS Number:</b>	38641-94-0	134605-64-4

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/w)
Glyphosate present as the isopropylamine salt	38641-94-0	0.72
Butafenacil	134605-64-4	0.016
Other ingredients determined not to be hazardous	-	to 100

### Section 4: First aid measures

<b>Description of Necessary First Aid Measures:</b>	In case of poisoning by any exposure route contact a doctor or Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment. <b>Ingestion:</b> If swallowed, seek medical advice immediately. DO NOT induce vomiting. Give plenty of water. <b>Eye contact:</b> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Seek medical advice <b>Skin contact:</b> Take off all contaminated clothing immediately. Wash off immediately with plenty of water. Wash contaminated clothing before re-use. Seek medical advice <b>Inhalation:</b> Remove to fresh air and keep at rest until recovered. If any signs or symptoms occur or persist, seek medical attention.
<b>Symptoms Caused by Exposure:</b>	Poisoning symptoms in laboratory animals were non-specific.
<b>Medical Attention and Special Treatment:</b>	There is no specific antidote available. Treat symptomatically.

### Section 5: Fire fighting measures

<b>Suitable Extinguishing Equipment:</b>	<b>Small fires:</b> Use fine water spray, dry chemical, foam or CO <sub>2</sub> <b>Large fires:</b> Use dry chemical, foam or CO <sub>2</sub> DO NOT use a solid water stream as it may scatter and spread fire
<b>Specific Hazards Arising from the Chemical:</b>	This product is a non-combustible liquid, however, following evaporation of aqueous component residual material may burn. May release toxic fumes including those of ammonia, oxides of carbon, nitrogen, phosphorous and sulphur
<b>Special Protective Equipment and Precautions for Fire Fighters:</b>	In the event of fire, wear self-contained breathing apparatus and protective clothing.

### Section 6: Accidental release measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures:</b>	In case of spillage it is important to take all steps necessary to <ul style="list-style-type: none"> <li>• Avoid eye and skin contact</li> <li>• Avoid contamination of waterways</li> </ul> Wear full length clothing and PVC gloves Keep all bystanders away
<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods and Materials for Containment and Clean Up:</b>	<b>Procedure for spill</b> <ol style="list-style-type: none"> <li>(1) Keep all bystanders away</li> <li>(2) Wear full length clothing and PVC gloves</li> <li>(3) Reposition any leaking containers so as to minimise further leakage</li> <li>(4) Dam and absorb spill with an absorbent material (eg sand or soil)</li> <li>(5) Shovel the absorbed spill into drums</li> <li>(6) Disposal of the absorbed material will depend upon the extent of the spill</li> </ol>

- For quantities up to 50 L of product bury in a secure landfill site
  - For quantities greater than 50 L seek advice from the manufacturer (use emergency contact number below) before attempting disposal. Contain in a secure location until disposal method is established
- (7) Decontaminate spill area with detergent and water and rinse with the smallest volume of water practicable.

## Section 7: Handling and storage

**Precautions for Safe Handling:** Avoid contact with skin. Wash hands after use.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in the closed, original container in a cool, dry place out of the reach of children. DO NOT store in direct sunlight.

## Section 8: Exposure controls and personal protection

### ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

<b>National Exposure Standards:</b>	No exposure standards allocated		
<b>Syngenta Exposure Standards:</b>	<b>Component</b>	<b>Exposure limit</b>	<b>Value type</b>
	Butafenacil technical	10 mg/m <sup>3</sup>	8 h TWA
	Glyphosate technical	10 mg/m <sup>3</sup>	8 h TWA
<b>Biological Limit Values:</b>	No biological limit allocated		
<b>Engineering Controls:</b>	No special requirements. Product is used outdoors		
<b>Personal Protective Equipment:</b>	Avoid contact with skin. Wash hands after use.		

## Section 9: Physical and chemical properties

<b>Appearance:</b>	Light brown liquid	<b>Boiling Point/Range:</b>	Not available
<b>Odour:</b>	No particular odour	<b>Melting Point:</b>	Not applicable
<b>pH:</b>	3 to 7	<b>Solubility:</b>	Soluble in water
<b>Vapour Pressure:</b>	Not available	<b>Specific Gravity</b>	1.0 to 1.01 g/cm <sup>3</sup>
<b>Vapour Density:</b>	Not available		
<b>Flash Point:</b>	Not detected below 100°C	<b>Explosive Properties:</b>	Not explosive
<b>Upper and Lower Flammable (Explosive) Limits in Air:</b>	Not flammable	<b>Oxidising Properties:</b>	Not oxidising
<b>Ignition Temperature:</b>	Not achieved	<b>Combustibility:</b>	Not combustible
		<b>Corrosiveness:</b>	Not corrosive

## Section 10: Stability and reactivity

**Reactivity:** Not reactive

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** None known. Hazardous polymerisation will not occur

<b>Conditions to Avoid:</b>	None known
<b>Incompatible Materials:</b>	None known
<b>Hazardous Decomposition Products:</b>	Combustion or thermal decomposition will evolve toxic and irritant vapours.

## Section 11: Toxicological information

### Health Effects from Likely Routes of Exposure:

<b>Acute:</b>	<p><b>Oral toxicity: LOW TOXICITY</b>          Based on the known acute oral toxicology of the active and non-active ingredients, this product is considered to be of low toxicity</p> <p><b>Dermal toxicity: LOW TOXICITY</b>          Based on the known dermal oral toxicology of the active and non-active ingredients, this product is considered to be of low toxicity</p> <p><b>Inhalation: LOW TOXICITY</b>          Based on the known acute inhalation toxicology of the active and non-active ingredients, this product is considered to be of low toxicity</p> <p><b>Skin irritation: NON IRRITANT</b></p> <p><b>Eye irritation: NON IRRITANT</b></p> <p><b>Sensitisation: NOT A SENSITISER</b></p>
<b>Chronic:</b>	Butafenacil and glyphosate have been extensively tested on laboratory mammals and in test tube systems. No evidence was obtained of mutagenic, carcinogenic, teratogenic neurotoxic or reproductive effects.

## Section 12: Ecological information

<b>Ecotoxicity:</b>	Based on test conducted with a similar formulation
<b>Toxicity to fish:</b>	<b>Slightly toxic to fish</b> <i>Oncorhynchus mykiss</i> (rainbow trout): LC <sub>50</sub> (96 h) = 43 mg ai/L
<b>Toxicity to daphnia and other aquatic invertebrates:</b>	<b>Moderately toxic to Daphnia</b> <i>Daphnia magna</i> (Water flea): LC <sub>50</sub> (48 h) = 8.9 mg ai/L
<b>Toxicity to algae:</b>	<b>Very highly toxic to algae</b> <i>Selenastrum capricornutum</i> (green algae): E <sub>r</sub> C <sub>50</sub> = 0.022 mg/L
<b>Persistence and Degradability:</b>	Glyphosate is persistent in water, but not persistent in soil Butafenacil is not persistent in soil and water and is not readily biodegradable
<b>Mobility in Soil:</b>	Glyphosate is immobile in soil Butafenacil has low to high mobility in soil
<b>Bioaccumulative Potential:</b>	Glyphosate is not expected to bioaccumulate Butafenacil does not bioaccumulate

### Section 13: Disposal considerations

<b>Disposal Methods:</b>	Dispose of empty container by wrapping in paper, placing in plastic bag and putting in garbage.
<b>Special Precautions for Incineration or Landfill:</b>	Not applicable

### Section 14: Transport information

<b>LAND TRANSPORT</b> ADG		Not a dangerous good in Australia	
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Transport Hazard Class:</b>	None allocated	<b>Hazchem or Emergency Action Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated		

<b>SEA TRANSPORT</b> IMDG			
<b>UN Number:</b>	None allocated	<b>Subsidiary Risk:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>Transport Hazard Class:</b>	None allocated	<b>Environmental hazards for Transport Purposes:</b>	None allocated

<b>AIR TRANSPORT</b> IATA - DGR			
<b>UN Number:</b>	None allocated	<b>Subsidiary Risk:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>Transport Hazard Class:</b>	None allocated		

### Section 15: Regulatory information

<b>APVMA Product Number:</b>	70083
<b>Poisons Schedule (SUSMP):</b>	5

## Section 16: Any other relevant information

**Date of preparation or last revision:** November 2016

**Source of Data:** The information provided in this SDS is sourced from Syngenta internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

**Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions**

**CONTACT POINT:** Brunnings Garden Products Pty Ltd (03) 9543 5600

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 SDS 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.

### **DISCLAIMER**

This product complies with the specifications in its statutory registration. Implied terms and warranties are excluded. Syngenta's liability for breach of the express or any non-excludable implied warranty is limited to product replacement or purchase price refund. The purchaser must determine suitability for intended purpose and take all proper precautions in the handling, storage and use of the product including those on the label and/or safety data sheet failing which Syngenta shall have no liability.

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