

Safety Data Sheet

BAZOOKA - Reg. No: L 10718 (Act No 36 of 1947)

Date of issue: 05/08/2019

1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	BAZOOKA
Other means of identification:	Glyphosate 800 g/kg
UN number:	3077
Recommended use:	Herbicide
Restrictions on use:	Agriculture
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 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	N-(Phosphonomethyl) glycine
2) Classification of the substance / mixture:	
Classification of the product:	Xn; N; R20/22; R36/38; R41; R51; R53 Full text of R-phrases; see section 15
Label elements:	Hazard statement(s): H411: Aquatic Chronic 2, Precautionary statement(s): P102: Keep out of reach of children. P270; Do not eat, drink or smoke when using this product. P280; Wear protective gloves/ protective clothing. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P391 : Collect spillage. P501; Dispose of contents/ container to an approved waste disposal plant. Pictogram:  Signal Word: WARNING
Health effects: eyes:	May cause irritation.
Health effects: skin:	Not harmful. May cause mild irritation, but this should be transient in nature.

Health effects: ingestion	May cause irritation and may be harmful.
Health effects: inhalation	Unlikely to cause irritation or be harmful under normal conditions and use. May cause mild irritation, but this should be transient in nature.
Health effects: Other	

3) COMPOSITION / INFORMATION ON INGREDIENTS:

Mixture:

Chemical name	% Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Glyphosate	80	1071-83-6	213-997-4	Aquatic Chronic 2, H411	Xn, N R20/22; R36/38; R41; R51; R53

Full text of R- and S-phrases: see section 15.

4) First Aid Measures:

Eye contact:	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.
Skin contact:	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. Seek medical assistance should irritation persist.
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. One or two glasses of water may be given. For advice, contact the National Poisons Centre. Seek medical assistance immediately.
Inhalation:	Remove patient to fresh air. 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.
Most important symptoms and effects, acute and delayed:	
Indication of immediate medical attention and special treatment needed: Advice to physician	Administer aminophylline (0.25 – 0.5 g) slowly, intravenously. Administer morphine in small dosages (5 –10 mg) slowly, intravenously to ally and promote deeper respiration. Children's dosage 0.1 – 0.2 mg/kg. Epinephrine, atropine and expectorants are not generally helpful and may complicate treatment. Symptomatic treatment and supportive therapy as indicated.

5) Fire-Fighting Measures:

Suitable extinguishing media:	Small fires: Foam, carbon dioxide, dry powder or halon extinguishant. Large fires: Foam or water-fog. Avoid the use of a water jet. Water can be used to cool unaffected stock, but avoid the accumulation of polluted
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<p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>run-off from the site. Contain fire control water for later disposal.</p> <p>No information available</p> <p>This product may generate poisonous, explosive and corrosive fumes (which may contain: carbon dioxide, monoxide, nitrogen oxides, hydrogen cyanide, hydrogen chloride gas and other compounds of chlorine)</p>
<p>Fire-fighting:</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.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Generating poisonous and corrosive fumes. Keep upwind.</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..</p> <p>Do not scatter the material. Bund area with sand or earth to avoid pollution of waterways. Water can be used to cool containers. Dispose of extinguishing agent and spillage in a safe way at a later stage.</p> <p>Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. Contain run-off water with, for example, temporary earth barriers.</p> <p>Generating poisonous and corrosive fumes which may contain: carbon dioxide, monoxide, nitrogen oxides, hydrogen cyanide, hydrogen chloride gas and other compounds of chlorine</p>
<p>Protective clothing:</p>	<p>Full protective clothing and self-contained breathing apparatus</p>
<p>6) Accidental Release Measures:</p>	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p>	<p>Do not inhale vapour or spray. Avoid contact with skin and eyes. For personal protection see section 8.</p> <p>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.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material and place in waste containers. Wash area with water containing soda or detergent and absorb with further inert material. If spill does enter waterways contact the local authority. Heavily contaminated soil layers should be removed and disposed of in an approved way. 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</p>

Disposal:

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 waste disposal facility.

Container Disposal:

Refer to the product label for instructions.
If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product.
DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.
Do not transport if this container is damaged or leaking.

7) Handling & Storage:

Handling:

Avoid skin and eye contact and inhalation of spray mist. Keep away from heat and sources of ignition. Ensure adequate ventilation.
Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.
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.
BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

Storage:

Keep out of reach of children and animals.
Store in original container only in a well-ventilated, cool, dry, secure area. Protect from heat, sparks and flame. Do not expose containers to temperatures above 40 °C. Keep separate from other products to prevent cross contamination.
Keep away from heat and sources of ignition.
Keep away from combustible material.
Store in an area equipped with sprinklers.

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.

PERSONAL PROTECTIVE EQUIPMENT:

Clothing:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. Wear chemically resistant boots and coveralls.
Hygiene measures: Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.

Gloves:

Suitable chemically resistant (such as nitrile or butyl) gloves, with prolonged, direct contact. (Recommended: Protective index 6, corresponding to >480 minutes of permeation time according to EN 374) e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:	The use of safety goggles with side shields is recommended.
Respiratory protection:	Wear respirator if ventilation is inadequate or exposure to high levels are likely
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:	Water soluble granule
Colour:	white
Odour:	Characteristics
Odour threshold:	No data available
pH:	No data. Expected to be within the range 4 – 6
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
Relative density:	No data available
Solubility(ies)	Soluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature:	No data available
Viscosity:	No data available
10) Stability & Reactivity:	
Reactivity:	
Chemical stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Protect this product from light. Store in the original, closed container in a dry, cool, well-ventilated area out of direct sunlight.
Hazardous decomposition product(s):	None known. Fire decomposition may generate poisonous and corrosive fumes which may contain: carbon dioxide, monoxide, nitrogen oxides, hydrogen cyanide, hydrogen chloride gas and other compounds of chlorine. Product will not undergo polymerisation reactions.
Conditions to avoid:	Segregate from food and animal feeds. Keep away from heat and protect from direct sunlight. Avoid storage at temperatures above 35 °C. Avoid extremes of temperature.
Incompatible materials:	Incompatible with strong acids, strong bases and strong oxidising agents
11) Toxicological Information:	

Acute:

Oral LD50 > 5 000 mg/kg, rat

Dermal LD50 > 5 000 mg/kg, rat

Inhalation LC50 (4h): for rats >12.0 mg/l.

Skin irritation : Mild Irritant, rabbit

Eye irritation : Mild Irritation, rabbit

Sensitisation : Not a sensitizer, guinea pigs.

Other :

12) Ecological Information:

Information below based on active ingredient: Fluzifop-*p*-butyl technical material

Bees: Contact [LD₅₀](#) (48h) >100 µg/bee; Oral 100 µg/bee

Birds: Oral [LD₅₀](#) Bobwhite quail >3500 mg/kg. Dietary [LC₅₀](#) (5d) Quail & Ducks >4000 mg/kg diet.

Fish : LC50 (96h) Trout 80 mg/L, Bluegill sunfish 120 mg/L.

Algae : EC50 (72h) *Selenastrum capricornutum*: >450 mg/l.

Worms:

Other aquatic species: EC50 (48h) *Daphnia* >700 mg/l.

Other beneficial spp. : No effects on carabid beetles; harmless to slightly harmful to green lacewing, parasite species, mites/spiders and insects.

Environments fate

Persistence and degradability:

Persistence and Degradability:

In soil (field), DT50 1–130 days depending on edaphic and climatic conditions.

The product is practically immobile and is unlikely to leach.

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 waste disposal facility.

Container Disposal: Refer to the product label for instructions. Triple rinse empty containers before disposal in the following manner: Invert the container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container volume. Add rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Empty containers should not be burnt; puncture and flatten containers and dispose at a licensed landfill site according to local regulations. 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. Prevent contamination of water sources, food or feed by disposal. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. If recycling, replace cap and take containers to the designated recycling point. If containers cannot be recycled, they should be disposed of together with the waste chemical according to local regulations.

14) Transportation Information:

UN Number: 3077

Road transport ADR/RID

Class: 9

Packing group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Glyphosate)

Maritime transport IMDG/IMO

Environmental hazards: Marine pollutant: Yes

Class: 9

Packing group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Glyphosate)

Considered a Marine Pollutant.

15) Regulatory Information:

Contains: GLYPHOSATE

Symbols: Xn – Harmful

N - Dangerous for the environment



Risk – Phrase(s):

R20/22 - Harmful by inhalation or if swallowed

R36/38 - Irritating to eyes and skin.

R41 - Risk of serious damage to eyes

R51 - Toxic to aquatic organisms

R53 - May cause long-term adverse effects in the aquatic environment

Safety – Phrase(s):

S2 - Keep out of reach of children.

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

S20/21 - When using do not eat, drink or smoke.

S24/25 - Avoid contact with skin and eyes.

S36/37 - Wear suitable protective clothing and gloves.

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

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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