SAFETY DATA SHEET
GLOCK GEL
Reg. No. / Nr L11914 Act No. 36 of 1947 / Wet Nr 36 van 1947

Section 1. Identification of the material and the supplier

Product:	**GLOCK GEL**
Product Use:	Herbicide
Restriction of Use:	Refer to Section 15
Supplier:	**Agritech Bioscience (Pty) Ltd. t/a Carabiner** PO Box 122 Isando, 1600 South Africa www.carabiner.co.za
Emergency No:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 TYGERBERG 021 931 6129 RED CROSS 021 689 5227 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE 082 446 8946
Date of SDS Preparation:	05 February 2026

Section 2. Hazards Identification

Classification of the substance or mixture

Globally Harmonised System, EU (GHS) and according to regulation EC No 1272/2008 [CLP]

Skin Irritation: Category 2; H315
Serious eye damage Category 1; H318
Skin sensitization Category 1; H317
Short-term (Acute) Aquatic hazard Category 2; H401
Long-term (Chronic) Aquatic hazard Category 2; H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

Label elements
Globally Harmonised System, EU (GHS) and according to regulation EC No 1272/2008 [CLP]

Pictograms

Signal Word: **DANGER**

Hazard statement(s)
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H401: Toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

General:
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read carefully and follow all instructions.

Prevention:
P261 - Avoid breathing dust / fumes / gas / mist / vapours / spray.
P264 + P265 - Wash hands and face thoroughly after handling. Do not touch eyes.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves / eye protection / face protection.

Response:
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.
P305 + P354 + P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 - Get medical help.
P321 - Specific treatment (see FIRST AID TREATMENT on this label).
P333 + P317 - If skin irritation or rash occurs: Get medical help.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.

Storage:
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Disposal:
P501 - Dispose of contents/container in accordance with national regulations.

Supplemental Hazard Statements: none

2.3 Other

Other hazards
No other hazards known

Section 3. Composition / Information on Hazardous Ingredients

Mixture
Water based gel
Triclopyr 50 g/L
Picloram 50 g/L

Globally Harmonised System, EU (GHS) and according to regulation EC No 1272/2008 [CLP]

Ingredients	Concentration of hazardous ingredient	Classification
Picloram as potassium salt	5%	Eye Irrit. Cat. 2 Aquatic Acute Cat. 1 Aquatic Chronic Cat. 1
Triclopyr as triethylamine salt	5%	Aquatic Acute Cat. 1 Aquatic Chronic Cat. 1 Eye Irrit. Cat. 2
Ethylene glycol	>1-<15%	Acute oral: Cat 4 STOT RE Cat. 2
Dodecylbenzene sulphonic acid	>1-<15%	Acute Oral Cat. 4 Skin Corrosion Cat. 1C Serious Eye Damage Cat. 1 STOT SE Cat. 3
Rheology modifier	>1-<15%	Serious Eye Damage Cat. 1 Aquatic Chronic Cat. 2

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4. First Aid Measures

Remove patient from exposed area. Never give fluids or induce vomiting if patient is unconscious or is having convulsions. The decision of whether to induce vomiting or not should be made by an attending physician. If lavage is performed, endotracheal and/or oesophageal control is suggested.

Routes of Exposure:

If in Eyes — Flush eyes with plenty of water for at least 15 minutes holding eyelids open. Remove contact lenses if present, after first 5 minutes, and then continue rinsing. **Seek medical attention immediately.**

If on Skin — Immediately flush body and clothes with large amounts of flowing water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. **Seek medical attention.**

If Swallowed — Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre. **Seek medical attention immediately.**

If Inhaled — Remove patient to fresh air. Loosen clothing around neck. Lie down and keep patient calm, warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. **Seek medical attention immediately.**

Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms.

Treatment:
Treat according to symptoms (decontamination, vital functions). There is no known specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when

calling a poison control centre or doctor, or going for treatment. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Section 5. Fire Fighting Measures

Hazards from products	Highly toxic and irritating fumes are released in fire situations including oxides of nitrogen, carbon, and sulphur. Hydrogen chloride and cyanide compounds may be formed.
Suitable Extinguishing media	Carbon dioxide, dry chemical, foam, water fog. Do not use a water jet due to contamination/spreading fog.
Recommended protective clothing & Precautions for firefighters	Wear SCBA and chemical-protective clothing which includes fire-fighting helmet, coat, trousers, boots, and gloves. Self-contained breathing apparatus is required. During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Remove spectators from surrounding area and isolate the fire area. 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. Do not allow extinguishing medium to contact container contents. Remove undamaged containers from fire area if it is safe to do so. Keep upwind and away from low areas where the fumes can accumulate. Eliminate ignition sources. Avoid inhaling hazardous vapours and fumes from burning materials. 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. Dispose of extinguishing agent and spillage in a safe way at a later stage. 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. **Additional provisions:** Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. In the event of a fire, wear full protective clothing and self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. **Personal protective equipment:** Wear appropriate safety clothing and eye/face protection. Do not inhale vapour or spray. Avoid contact with spilled product or contaminated surfaces. Avoid contact with skin and eyes. Avoid inhalation of the spray or fumes. For personal protection see Section 8.

Section 6. Accidental Release Measures

Personal precautions:

Avoid contact with eyes and skin (wear full length clothing and PVC gloves). Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.
For personal protection see Section 8.

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.

Spill and Disposal procedures:
Cleaning procedure:
Wear protective equipment (see PERSONAL PROTECTION). Clear area of all unprotected personnel.
Prevent entry of chemical or used/damaged containers into drains, streams, or waterways.
Reposition any leaking containers in order to minimalize further leakage.
Dam and absorb the spill with an absorbent material (such as sand or soil).
Shovel the absorbed spill into drums.

Disposal:
The 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 from the manufacturer (use emergency contact number below). Before attempting disposal. Contain in a secure location until disposal method is established.

Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable. Open burning or dumping of this material is prohibited.

Container Disposal: Refer to the product label for instructions. DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Do not transport if this container is damaged or leaking.

Reference to other sections
Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

Section 7. Handling and Storage

Precautions for Handling:
Avoid contact with eyes and skin.
Wear preparing the product wear:

- Cotton overalls buttoned to the neck and wrists.
- Elbow-length PVC gloves
- A face shield or goggles.

If product is in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves, face shield or goggles and contaminated clothing.

Precautions for Storage:
Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Triple, or preferably pressure rinse containers before disposal. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500mm 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.

Specific end use(s): Use only according to the label.

Section 8 Exposure Controls / Personal Protection

Occupational exposure limits:

Component	Value type (Form of exposure)	Control parameters / permissible concentration	Basis
Picloram	ACGIH TLV	10 mg/m³	TWA-8 hours

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Controls / Industrial Hygiene
Comply with occupational safety, environmental, fire and other applicable regulations.

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 Protection Equipment

Eyes	The use of safety goggles or full-face shield is recommended.
Hands	Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance. Elbow-length PVC gloves.
Skin	Consult supplier to confirm that the equipment is suitable. Employee must wear appropriate protective (impervious) clothing such as cotton overalls buttoned to the neck and wrists.
Respiratory	Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required for certain operations, use a NIOSH approved air-purifying respirator.Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.
General	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. Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating. When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Section 9 Physical and Chemical Properties

Appearance	Gel
Colour	Blue
Odour	Characteristic
Odour Threshold	No data available
pH	No data available
Boiling/Melting Point	No data available
Freezing Point	No data available
Flash Point	No data available
Flammability	Not flammable

Upper and Lower Explosive Limits	No data available
Vapour Pressure	No data available
Vapour Density	No data available
Density	No data available
Water Solubility	No data available
Partition Coefficient:	Picloram: -1.92 Triclopyr: -0.45
Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Particle Characteristics	No data available
Surface tension	No data available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions. Stable for 24 months. Avoid exposure elevated temperatures.
Possibility of hazardous reactions	None known.
Conditions to Avoid	Avoid extreme heat, cold, strong acids, strong bases and strong oxidizing agents. Keep out of reach of children.
Incompatible Materials	Oxidizing agents and strong acids.
Hazardous Decomposition Products	Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces, including Hydrogen chloride, cyanide compounds and/or nitrogen, carbon and sulphur may be formed if product involved in fire.

Section 11 Toxicological Information

Acute Effects:

Oral	GHS: Not classified
Dermal	GHS: Not classified
Inhalation	GHS: Not classified
Eye	GHS: Eye Damage Cat. 1
Skin	GHS: Skin Irrit. 2, Skin Sens: 1

Chronic Effects:

Carcinogenicity	GHS: Not classified
Reproductive Toxicity	GHS: Not classified
Germ Cell Mutagenicity	GHS: Not classified
Aspiration	GHS: Not classified
STOT/SE	GHS: Not classified
STOT/RE	GHS: Not classified

Section 12. Ecotoxicological Information

Ecological effects information	**<u>Aquatic acute toxicity:</u>** **Formulated product: Based on available data of components.** GHS: Cat. 2

	<u>Aquatic chronic toxicity:</u> **Formulated product: Based on available data of components.** GHS: Cat. 2
Persistence and degradability	**Picloram** Picloram is quickly degraded by light and more slowly in soil with half-lives of 30 to 90 days. **Triclopyr:** Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions. Triclopyr has a half-life in soil of approximately 46 days. In soil, fairly rapid degradation by microbial activity, DT_{50} (ave.) 46 d, depending on soil and climatic conditions. The major degradation product is 3,5,6-trichloro-2-pyridinol (which has a soil DT50 of 30–90 d), with a smaller amount of 3,5,6-trichloro-2-methoxypyridine. K_{oc} c. 59 ml/g; K_d c. 87 (unaged samples), c. 225 (aged) ml/g.
Bioaccumulation	**Picloram** Picloram has a moderate potential for bioaccumulation. **Triclopyr:** Bioconcentration potential is moderate to low (BCF < 100 or Log Pow < 3)
Mobility in Soil	Picloram: K_{oc} 13: Very mobile. High leachability Triclopyr: K_{oc} 27: Mobile
Other adverse effects	This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
Precautions:	Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:
Open dumping or burning of this pesticide is prohibited Waste resulting from the use of this product that cannot be reused or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers. Comply with local legislation applying to waste disposal.

Contaminated packaging:
Containers and packages must be completely emptied before disposal.
TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Destroy the triple rinsed container by perforation and flattening and do not use for any other purpose. Store appropriately until it can be disposed of via an approved collector or recycler authorised to recycle or destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations. Empty containers and product should not be burnt. Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

Special precautions during disposal:
Waste resulting from the use of this product cannot be reused or reprocessed. Never pour untreated waste or surplus products into public sewers or where there is any danger of run-off or seepage into water systems. Do not contaminate rivers, dams or any other water sources with the product or used containers.

Section 14 Transport Information

Rail/road (RID/ADR):

Proper shipping name	Environmentally Hazardous substance, Solid, N.O.S. (picloram and triclopyr)
UN number	3077
Class	9
Packing group	III
Environm. Haz. Mark	Yes

Sea (IMDG code):

Proper shipping name	Environmentally Hazardous substance, Solid, N.O.S. (picloram and triclopyr)
UN number	3077
Class	9
Packing group	III
Marine pollutant	Yes

Air (ICAO/IATA):

Proper shipping name	Environmentally Hazardous substance, Solid, N.O.S. (picloram and triclopyr)
UN number	3077
Class	9
Packing group	III
Environm. Haz. Mark	Yes

Section 15 Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment
For this product a chemical safety assessment was not carried out.

Section 16 Other Information

Full text of H-Statements referred to under sections 2 and 3.

For proper and safe use of this product, please refer to the approval conditions laid down on the product label. The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the products properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed.

The information herein is given in good faith, but no warranty, express or implied is made.

Issue Date: 5 February 2026 Review Date: 5 February 2031