

# Safety Data Sheet (SDS) EmGee

According to UN GHS 8th Ed  
Revision Date: 16/07/2022

First print date: 01/06/2018  
Version: 1.1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

### Product identifier:

**Identification as on the label/Trade name:** EmGee

**Common name:** Chlorimuron-ethyl 250 g/kg WDG

### Relevant identification uses of the substance and uses advised against:

**Identified uses:** Herbicide

**Uses advised against:** Use only as directed.

### Details of the supplier of the Safety Data Sheet:

Enviro Bio-Chem (Pty) Ltd, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

### Details of the Registration Holder:

Erintrade CC t/a RT Chemicals, 44 Kerk Street,  
Lichtenburg, North West, South Africa, 2740

### Contact Details:

Telephone: +27 87 231 7261

Fax: 086 541 7948

Website: www.envirobiochem.co.za

### Emergency telephone numbers:

**24 Hour Emergency Number: Bateleur: +27 83 123 3911**

Griffon Poison Information Centre: +27 82 446 8946

Poisons Information Helpline: 0861 555 777

Tygerberg Hospital: +27 21 931 6129

## SECTION 2. HAZARD IDENTIFICATION

### Classification of the substances or mixture

The mixture is classified according to Regulation (EC) No 1272/2008 EU-GHS/CLP

Hazard classes/Hazard categories	Hazard statement
Aquatic Toxicity Acute (Category 1)	H400
Aquatic Toxicity Chronic (Category 1)	H410

For full text of H statements see section 16

### The most important adverse effects

**The most important adverse physicochemical effects:** None known

**The most important adverse human health effects:** None known

### Label elements



**Hazard pictograms:**

**Signal Word:** Warning

**Hazard Statements:**

H400	Very toxic to aquatic life
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H410	Very toxic to aquatic life with long lasting effects
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## Precautionary Statements:

P102	Keep out of reach of children
P103	Read label before use
P273	Avoid release to the environment.
P391	Collect spillage
P501	Dispose of contents/container in accordance with local/regional/ national regulations

**Other hazards:** None known

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

### Ingredients:

Substance name (IUPAC)	CAS Number.	Concentration % by weight	Classification EC1272/2008
Chlorimuron-ethyl	90982-32-4	26.5%	Aquatic Acute (Category 1)H400 Aquatic Chronic (Category 1) H410
lauryl sodium sulfate	151-21-3	<70%	Acute Toxicity Oral (Category 4 ) H302 Skin Irritation (Category 2) H315 Eye damage ( Category 1) H318 Aquatic Chronic (Category 3) H412

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4. FIRST AID MEASURES

### Description of first aid measures:

**In case of inhalation:** If inhaled, remove from contaminated area to fresh air and assist breathing as required. Seek medical attention if irritation occurs or if patient feels unwell.

**In case of skin contact:** In case of contact, Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Obtain medical attention if irritation persists.

**In case of eye contact:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.

**In case of ingestion:** Wash out mouth with water. Seek medical attention if necessary.

### Most important symptoms and effects, both acute and delayed:

#### Anticipated acute effects:

Most important symptoms/effects: None known

#### Indication of any immediate medical attention and special treatment needed:

Treat symptomatically and supportively

## SECTION 5. FIRE FIGHTING MEASURES

### Extinguisher media:

**Suitable** extinguisher media: Foam. Dry powder. Carbon dioxide. Water spray.

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**Small Fire:** Extinguish small fires with carbon dioxide, dry powder, or alcohol-resistant foam.

**Large Fire:** Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site. Use as little water as possible.

**Unsuitable** extinguishing media: Do not use high volume water jet, due to contamination risk.

### Special hazards arising from the mixture:

Hazardous decomposition products in case of fire: Refer to Section 10: Stability and Reactivity.

### Advice for fire-fighters:

Avoid inhaling hazardous vapours. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent.

Contain fire control agents for later disposal according to Section 13.

Water can be used to cool unaffected containers.

## SECTION 6. ACCIDENTAL RELEASE

### Personal precautions, protective equipment, and emergency procedures:

**Personal precautions:** Control access to area. Avoid breathing dust. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

**For emergency responders:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Use an approved/certified respirator or equivalent. Avoid contact with eyes and skin. Do not breathe in fumes. Refer to section 8 for recommended personal protective equipment. Evacuate unnecessary personnel.

**Emergency procedure:** Alert emergency response personnel. Evacuate unprotected spectators and animals.

### Environmental precautions:

Stop leak if without risk. Do not touch spilled material. Use a light water spray to reduce vapours.

Prevent entry into drains, watercourses, or confined areas; dike if needed. This product is classified as very toxic to aquatic organisms and will cause long-term adverse effects in the aquatic environment.

If the product contaminates public water, inform appropriate authorities immediately in accordance with local regulations.

### Methods for containment and cleaning up:

**For small spills** Contain spilled material by diking if possible. Absorb with materials such as: sand, earth, vermiculite, or diatomaceous earth. Collect in suitable and properly labelled containers.

**For large spills** Prevent entry into drains, watercourses, or confined areas. Cover contained spill with an inert absorbent material such as sand, vermiculite, earth or other appropriate material. Vacuum, scoop, or sweep up material and place the material into a clean, dry, sealable container. Label containers with the contents and dispose of according to local regulations. Do not place spilled material back in original container. Do not re-use spill material. Collect washings and add to the drums already collected. Do not flush spilled material or washings into drains or waterways. To decontaminate the spill area, tools and equipment, wash with water and suitable detergent. See section 13 for disposal consideration

### Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Do not breathe dust or spray mist. Wear personal protective equipment. Use with adequate ventilation. Eating, drinking, and smoking should be prohibited in areas where this

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material is handled, stored, and processed. Remove contaminated clothing and protective equipment before entering eating areas.

**Protective measures:** Observe directions on label and instructions for use.

**Advice on general occupational hygiene:** Do not eat drink or smoke when handling this product.

**Conditions for safe storage, including incompatibilities:**

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated area. Store under lock and key. Keep out of the reach of children , animals and unauthorised persons.

**Specific end uses:**

Use as directed. Use original container.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters:**

**Occupational exposure limits (OEL):** No information available.

**Biological exposure indices (BEI):** No information available.

**Additional exposure limits under the conditions of use:** No information available

**Exposure control:**

Handle in accordance with good industrial hygiene and safety practice. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

**Appropriate engineering controls:** Use outdoors in a well-ventilated area. Provide exhaust ventilation or other engineering controls. Ensure that control systems are properly designed. Comply with occupational safety, environmental, fire and other applicable regulations. Ensure that eyewashstations and safety showers are proximal to the work-station location.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing. Keep working clothes separately. Contaminated work clothing should not be allowed out of the workplace. Wash hands and face before breaks and immediately after handling the product . When using do not eat, drink or smoke. Keep away from food, drink and animal feed.

Remove and wash all contaminated protective equipment before re-use. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Dispose of rinse water in accordance with local and national legislation.

**Eye/face protection:** Avoid contact with eyes. Wear a full-face shield when handling the product or spraying. The use of safety glasses with side shields (or goggles) are recommended if a face shield is not used. This product causes serious eye damage

**Hand protection:** Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

**Body protection:** Appropriate impervious clothing is required to prevent skin contact with the product.

**Respiratory protection:** Use only in well ventilated areas. Manufacturing and processing work: Half mask with a particle filter FFP1 (EN149)

**Environmental exposure controls:** Prevent product from entry into sewers and water courses

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance	Solid Granules
Colour	Ivory
Odour	None
Odour threshold	No data available
pH	No data available
Melting point / freezing point (°C)	No data available

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Boiling point (°C)	No data available
Flash point (°C)	No data available
Evaporation rate	No data available
Flammability	No data available
Upper /lower flammability limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density (25°C) g/cm <sup>3</sup>	No data available
Water solubility (g/l) at 20°C	Dispersible in water
Partition coefficient : n-octanol/water	No data available
Auto-ignition temperature (°C)	No data available
Decomposition temperature (°C)	No data available
Viscosity, dynamic (mPa s)	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** No dangerous reaction known under conditions of normal use

**Chemical stability:** The product is chemically stable under recommended conditions of storage, use and temperature.

**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use

**Conditions to avoid:** Avoid the formation of dust clouds. To avoid thermal decomposition, do not overheat

**Incompatible materials:** None known

**Hazardous decomposition products:** Toxic materials are formed during exposure to high temperatures, (may include but not limited to carbon monoxide and carbon dioxide).

## SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, metabolism and distribution:** No data available

**Information on toxicological effects:**

**Assessment of acute toxicity:**

The product has not been tested. The data reported is for the main ingredients in the mixture.

<b>Chlorimuron-ethyl tech CAS No. 90982-32-4</b>	
<b>Acute toxicity:</b>	
Acute Oral LD50 (rat - male)	>5000mg/kg
Acute Dermal LD50 (rat):	>2000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	>5.0 mg/l air
Skin irritation/ corrosion (rabbits)	Not a skin irritant
Eye damage / irritation (rabbits)	Not an eye irritant
Respiratory or skin sensitization	Not a skin sensitiser
Germ cell mutagenicity	Non mutagenic
Carcinogenicity	Non carcinogenic
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

Additional Information:

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To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

<b>Sodium Lauryl Sulphate CAS No. 151-21-3</b>	
<b>Acute toxicity:</b>	
Acute Oral LD50 (rat - male)	977 mg/kg
Acute Dermal LD50 (rat):	>2000 mg/kg
Acute Inhalation LC50 - 4 h (rat)	No data available
Skin irritation/ corrosion (rabbit)	Irritating to skin
Eye damage / irritation (rabbit)	Irreversible effects on eyes
Respiratory or skin sensitization (Guinea pig)	Not a respiratory or skin sensitizer
Germ cell mutagenicity	Negative in Ames test
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific Target Organ Toxicity STOT single exposure	No data available
Specific Target Organ Toxicity STOT repeated exposure	No data available
Aspiration hazard	No data available

Additional Information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12. ECOLOGICAL INFORMATION

<b>Chlorimuron-ethyl tech CAS No. 90982-32-4</b>	
<b>Toxicity</b>	
Birds Acute oral LD <sub>50</sub>	>2510 mg/kg Mallard ducks; >5620 mg/kg Bobwhite quail
Aquatic Toxicity Fish LC <sub>50</sub> (96 hr) Aquatic Toxicity Daphnia LC <sub>50</sub> (48 hr) Algae EC <sub>50</sub> (72h) Bee Toxicity LD <sub>50</sub> (48h) Worms LC <sub>50</sub> (14d) earthworms	>1000 mg/l (rainbow trout); >100 mg/l (bluegill sunfish) 1000mg/l 2.39 mg/l ( <i>Pseudokirchneriella subcapitata</i> ) > 12.5µg/ bee >4050 mg/kg
<b>Metabolism</b>	Not determined
<b>Persistence and degradability</b>	Microbial degradation of chlorimuron-ethyl is slow in all soil pH conditions with an average half-life of 7 to 8 weeks. Chlorimuron-ethyl persists longer in high pH soils.
<b>Bioaccumulation potential</b>	Not determined
<b>Mobility in soil</b>	Chlorimuron-ethyl mobility in soils is dependent on pH and soil organic matter content. Chlorimuron-ethyl is more highly adsorbed to organic matter at lower pH.

<b>Sodium Lauryl Sulphate CAS No. 151-21-3</b>	
<b>Toxicity</b>	
Aquatic Toxicity Fish flow through test LC <sub>50</sub> (96 h) Aquatic Toxicity Daphnia flow through test LC <sub>50</sub> (48h) Toxicity to algae – static test ErC50 (72h) Toxicity to bacteria static test EC50 (3h)	29 mg/l Pimephales promelas (fathead minnow) 5.55 mg/l Ceriodaphnia dubia (water fleas) >120 mg/l Desmodesmus subspicatus (green algae) 135 mg/l activated sludge
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation potential</b>	No data available

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<b>Mobility in Soil</b>	No data available
<b>Result of PBT and vPvB assessment</b>	No data available
<b>Other adverse effects</b>	No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods:

#### Product:

Keep out of drains, sewers, ditches, and waterways. Open dumping or burning of this pesticide is prohibited.

Waste resulting from the use of this product cannot be re-used or reprocessed. Refer to container label for disposal information. Treat as hazardous waste and dispose of in accordance with local/ regional/ national/ international regulations.

#### Container:

Refer to container label for disposal information. Emptied containers retain vapour and product residues. Observe all labelled safeguards until container is cleaned, reconditioned, or destroyed. Rinse empty container three times with a volume of water equal to at least one tenth of that of the container. Pour rinse water into spray tank. Dispose of as hazardous waste. not contaminate water when disposing of rinse water. Dispose of using an approved waste disposal service provider. Follow all local/ regional/ national/ international regulations.

## SECTION 14. TRANSPORT INFORMATION

UN Number	3077
UN proper shipping name	Environmentally Hazardous; Solid; N.O.S. (Chlorimuron-ethyl 250 g/kg).
Transport hazard class	9
Packaging group	III
Marine pollutant	Yes

## SECTION 15. REGULATORY INFORMATION

### Safety, health, and environmental regulations/legislation for the mixture:

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

### Relevant information regarding restrictions:

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]

### Other National regulations:

National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management Waste Act 59 of 2008.

Act 36 of 1947 of the Republic of South Africa. This product is registered under it is a violation of South African law to use this product in any manner inconsistent with its approved labelling. Read and follow all label directions

**Chemical Safety Assessment carried out?** No

## SECTION 16. OTHER INFORMATION

### Indication of changes:

Classification according to SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]

GHS aligned – all sections

### Relevant H statements (number and full text):

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H302-Harmful if swallowed

H315-Causes skin irritation

H318-Causes serious eye damage

H412-harmful to aquatic life with long lasting effects

Aquatic acute toxicity (Category 1): Very toxic to aquatic life

Aquatic chronic toxicity (Category 1): Very toxic to aquatic life with long lasting effects

### Training instructions:

Use as indicated on the label, special training may be required for application.

### Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

The information on this sheet is not a specification; it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product, nor where instructions or recommendations are not followed.