

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Clomazone 30 GR Herbicide**

**Other Names:** Clomazone. Group Q Herbicide  
**Use:** An agricultural herbicide for control of certain annual grasses in rice.  
**Company:** Apparent Pty Ltd.  
**Address:** Suite G.08, 762 Toorak Rd, Hawthorn East, Vic. 3123.  
PO Box 3092, Cotham PO, Kew, Vic 3101  
**ACN/ABN:** 143 724 136  
**Telephone Number:** 03 9822 1321  
**Email:** [enquiries@apparentag.com.au](mailto:enquiries@apparentag.com.au)  
**Emergency Contact:** 0411 227 338

## SECTION 2

## HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code.**

**Global Harmonization System (GHS) classification:**  
Toxic to reproduction (Effects on or via lactation).

**Signal Word:** *No signal word.*

**Hazard statements:**  
H362 May cause harm to breast fed children.

**Precautionary Statements:**

**Prevention:**  
P201 Obtain special instructions before use.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P263 Avoid contact during pregnancy/while nursing.  
P264 Wash hands, arms and face thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention:

**Pictograms:** *No symbols specified.*

## SECTION 3

## COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>PROPORTION</b>
Clomazone	81777-89-1	3%
C14-17 chlorinated paraffin	85535-85-9	< 4%
Other ingredients determined not to be hazardous		Balance

**SECTION 4****FIRST AID MEASURES****FIRST AID**

- Ingestion:** Wash mouth out with water. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126.
- Eye contact:** Gently brush granules away and rinse with water until chemical is removed. If irritation occurs and persists, seek medical advice.
- Skin contact:** Gently brush granules away. Wash skin with soap and water. If irritation occurs and persists, seek medical advice. Irritation is not expected.
- Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.
- Advice to Doctor:** Treat symptomatically.

**SECTION 5****FIRE FIGHTING MEASURES**

**Specific Hazard:** Product is combustible.

**Extinguishing media:** Extinguish fire using carbon dioxide, foam or dry agent. If not available, use waterfog or fine water spray but ensure all runoff is contained. Contain all runoff.

**Hazards from combustion products:** Product will decompose when burnt and will emit toxic fumes. Fire-fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or smoke. There is no risk of explosion.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated.

**SECTION 6****ACCIDENTAL RELEASE MEASURES****Emergency procedures / Material and methods for containment and cleanup procedures:**

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length PVC gloves and disposable dust mask covering mouth and nose.

In the case of spillage, stop leak if safe to do so, and contain spill. Contain spill and sweep up and shovel, vacuum or collect recoverable material into labelled containers for use, recycling or dispose as waste as indicated in section 13. Keep out animals and unprotected persons.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains or water courses advise emergency services. Launder protective clothing before storage or re-use.

**SECTION 7****HANDLING AND STORAGE**

**Precautions for Safe Handling:** Harmful if swallowed. May irritate the eyes, skin, nose and throat. Avoid contact with eyes and skin. Do not inhale dust. When opening and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length PVC gloves and disposable dust mask covering mouth and nose. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

**Conditions for Safe Storage:** Store in the closed, original container in a well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight. Not classified as a Dangerous Good.

**SECTION 8****EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

No Exposure Guidelines have not been established for this product by Safe Work Australia.

However there is an exposure standard for nuisance dust: 8 hour TWA = 10 mg/m<sup>3</sup>

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION (Continued)****Biological Limit Values:**

No biological limit allocated. However, note that nuisance dust has a TWA = 10 mg/m<sup>3</sup>.

**Engineering controls:**

Keep containers closed when not in use. No special engineering controls are required, however make sure that the work environment remains clean and that dusts are minimised.

**Personal Protective Equipment (PPE):**

General: When opening and preparing the product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length PVC gloves and disposable dust mask covering mouth and nose. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

Personal Hygiene: Harmful if swallowed. May irritate the eyes, skin, nose and throat. Avoid contact with eyes and skin. Do not inhale dust. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Grey/brown coloured granule.
<b>Odour:</b>	Mild odour.
<b>Boiling point:</b>	No data available.
<b>Melting/Freezing point:</b>	No data available.
<b>Solubility in Water:</b>	Disperses in water.
<b>Vapour Pressure:</b>	No data available.
<b>pH:</b>	No data available.
<b>Flammability:</b>	Combustible solid.
<b>Poisons Schedule:</b>	This product is a schedule 6 (S6) Poison.
<b>Formulation type:</b>	Granular (GR).

**SECTION 10 STABILITY AND REACTIVITY**

**Chemical Stability:** Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

**Conditions to avoid:** Keep cool and dry until ready to use.

**Incompatible materials:** Strong oxidizing agent such as chlorates, nitrates, peroxides etc.

**Hazardous decomposition products:** This product will decompose when burnt, releasing toxic and noxious fumes.

**Hazardous reactions:** Polymerisation is unlikely.

**SECTION 11 TOXICOLOGICAL INFORMATION**

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

**Potential Health Effects:****ACUTE EFFECTS**

**Swallowed:** Slight to moderate toxicity. Acute Oral LD<sub>50</sub> > 2000 mg/kg (rats).

**Eye:** The granules can cause physical discomfort if in the eye. May cause irritation, stinging, reddening and watering of the eyes.

**Skin:** This product is unlikely to irritate the skin. Acute dermal LD<sub>50</sub> > 3,000 mg/kg.

**Inhaled:** Inhalation of dusts may produce respiratory irritation LC<sub>50</sub> > 4.8 mg/L/4 hours (Clomazone).

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**SECTION 11 TOXICOLOGICAL INFORMATION (Continued)****Long Term Exposure:**

**Chronic toxicity:** In studies with laboratory animals, clomazone did not cause reproductive toxicity, teratogenicity or carcinogenicity. Liver enlargement and elevated cholesterol levels are often noted in laboratory animals that have ingested large doses of clomazone during their lifespan. An overall absence of genotoxicity has been demonstrated in tests of mutagenicity, DNA damage and chromosomal aberrations.

One component of this product (< 4%) is classified as having the potential to cause harm to breast fed children. As such, breast feeding women are advised to avoid handling this product.

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**SECTION 12 ECOLOGICAL INFORMATION**

**Environmental Toxicology:** Clomazone has moderate to slight toxicity to aquatic algae, arthropods and fish. Clomazone is slightly toxic to birds. Do not contaminate sewers, drains, dams, creeks or any other waterways with product or the used container.

**Environmental Fate:** Clomazone is readily degraded in soils under aerobic and anaerobic conditions (half life = 1 to 4.5 months). Clomazone is stable to chemical hydrolysis. Clomazone has a low potential for movement in the soil, and with a Log P<sub>ow</sub> of 2.5 and a bioconcentration factor of 27, is unlikely to accumulate in the environment.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

**Spills and Disposal:** Persons involved in cleanup require adequate skin protection - see section 8. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities. In rural areas contact ChemClear <http://www.chemclear.com.au> for help with collection of unwanted rural chemicals.

**Disposal of empty containers:** Shake and empty contents into hopper. Do not dispose of unused granules on site. Break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

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**SECTION 14 TRANSPORT INFORMATION**

**Road & Rail Transport:** This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Marine and Air Transport:** Not classified as a Dangerous Good for marine or air transport. It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

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**SECTION 15 REGULATORY INFORMATION**

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a Schedule 6 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 81261.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia. Xn: Harmful.

This product is not classified as a Dangerous Good according to the ADG Code, International Maritime Dangerous Goods (IMDG) Code or the International Air Transport Association (IATA).

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**SECTION 15 REGULATORY INFORMATION (Continued)***Requirements concerning special training:*

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

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**SECTION 16 OTHER INFORMATION**

Issue Date: 27 November 2015. Valid for 5 years till 27 November 2020 (First issue).

Key to abbreviations and acronyms used in this SDS:

ADG Code: Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

Carcinogen: An agent which is responsible for the formation of a cancer.

Endocrine: Relating to or denoting glands which secrete hormones or other products directly into the blood.

Genotoxi:c Capable of causing damage to genetic material, such as DNA.

LD<sub>50</sub>: Median Lethal Dose. A statistically derived single dose of a substance that can be expected to cause death in 50% of dosed animals.

Mutagen: An agent capable of producing a mutation.

Neurotoxicity: An adverse change in the structure or function of the nervous system.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus.

TWA: The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References:

1. "Search Hazardous Substances". Australian Safety and Compensation Council website. (2015).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

This SDS 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.

*End SDS*