



Material Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE CHEMICAL PRODUCT

Product Name: CANYON 600 WG HERBICIDE

Product Type: Group B Herbicide/ Sulfonylurea derivative.

Product Use: For control of certain brush and broadleaf species in native pastures, rights of way, commercial and industrial areas and for the control of certain broadleaf weeds in winter cereal crops, grass pastures and pasture renovation as per Directions for Use table on the label.

SECTION 2: HAZARD IDENTIFICATION

Statement of Hazardous Nature

This product is classified as: Non - Hazardous according to the criteria of ASCC.
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not hazardous – No criteria found.

Safety Phrases: S22, S36, S24/25. Do not breathe dust. Wear suitable protective clothing. Avoid contact with skin and eyes.

SUSDP Classification: None allocated. **ADG Classification:** None allocated. Not a Dangerous Good.

UN Number: None allocated

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Metsulfuron-methyl	74223-64-6	600g/kg
Other non-hazardous ingredients	-	to 100%

SECTION 4: FIRST AID MEASURES

Inhalation: Not usually a problem of poisoning. If in doubt, contact a Poisons Information Centre or a doctor. Remove affected person to fresh air away from chemical source and treated plants.

Skin Contact: Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use..

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Issued: June 2011; **Revision** June 2016

Poisons Information Centre: 13 1126 from anywhere in Australia

Eye Contact: If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

Ingestion - swallowing: Rinse mouth and then drink plenty of water. If vomiting occurs, give more water to drink to assist dilution. Do not give anything by mouth to a semi-conscious or unconscious person

Advice to Doctor: Treatment is symptomatic.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Non-combustible. If involved in a major fire, could evolve oxides of carbon, nitrogen or sulfur.

Extinguishing Media: If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.

Fire Fighting: Breathable air apparatus must be worn when fighting a fire in which this product is involved.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

SECTION 7: HANDLING AND STORAGE

Avoid generating dusts while handling the product and mixing.

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits have not been established by ASCC for these ingredients ie. No TWA or STEL limits set. No biological limits applicable.

Ensure adequate ventilation and reduced dust in a shaded dry storage.

The ADI for Metsulfuron methyl is set at 0.01mg/kg/day. The corresponding NOEL is set at 1mg/kg/day. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, Sept 2010.

Personal Protective Equipment:

Australian Standards regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

Safety deluge showers should, if practical, be provided near to where this product is being used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour: solid, granule, off-white to tan.

Odour: Odourless.

Boiling Point: No data.

Freezing/Melting Point: No specific data. Solid at normal temperature.

Vapour Pressure: 3.3×10^{-7} mPa at 25°C (metsulfuron methyl).

Vapour Density: No data.

Water Solubility: Water dispersible granule.

pH: No data

Volatility: No data.

Odour Threshold: No data.

Evaporation Rate: No data.

Coeff Oil/water distribution: No data

Autoignition temp: Does not burn

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures

Reactivity: This product is unlikely to react or decompose under normal storage conditions.

Conditions to Avoid: Direct sunlight and lack of ventilation

Incompatibilities: Strong oxidizing agents.

Hazardous Polymerization: Hazardous polymerisation is not possible.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: Not a likely route of exposure when handling the concentrate. May cause irritation to mucous membranes.

Ingestion: Low toxicity. However, swallowing large amounts of concentrate may cause nausea and vomiting.

Skin: May irritate the skin.

Eye: The concentrate may cause irritation of the eyes.

Chronic Effects: Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Acute Toxicity – Oral: LD50 (rat) >5000 mg/kg for metsulfuron methyl

Acute Toxicity – Dermal: LD50 (rabbit) >2000 mg/kg for metsulfuron methyl

Acute Toxicity – Inhalation: LC50 (rat) (4hr) >5 mg/l for metsulfuron methyl

Eye Irritation: Mild eye irritant.

Skin Irritation: Mild skin irritant.

Skin Sensitisation: Product is not a skin sensitiser..

SECTION 12: ECOLOGICAL INFORMATION

Breakdown of Chemical in Soil and Groundwater: The breakdown of Metsulfuron-methyl in soils is largely dependent on soil temperature, moisture content, and pH. The chemical will degrade faster under acidic conditions, and in soils with higher moisture content and higher temperature. The chemical has a higher mobility potential in alkaline soils than in acidic soils, as it is more soluble under alkaline conditions. Metsulfuron-methyl is stable to photolysis, but will break down in ultraviolet light. Half-life estimates for Metsulfuron-methyl in soil are wide ranging from 14 - 180 days, with an overall average of reported values of 30 days. Reported half-life values (in days) for soil include: clay - 178 ; sandy loam - 102 ; clay loam - 70 , 14-28 , 14-105 ; silty loam - 120-180.

Breakdown of Chemical in Surface Water: The dissipation time for Metsulfuron-methyl was investigated in a mixed wood/boreal forest lake. The DT50 or length of time required for half of the material to dissipate in water was >84 days when high concentrations of Metsulfuron-methyl were applied, and 29.1 days at concentrations that might be expected if the chemical is applied for forestry uses. It is stable to hydrolysis at neutral and alkaline pHs, and has a half-life of 3 weeks at pH 5.0, 25°C and >30 days at 15°C.

Breakdown of Chemical in Vegetation: Metsulfuron-methyl is rapidly taken up by plants at the roots and on foliage. The chemical is translocated throughout the plant, but is not persistent. It is broken down to non-herbicidal products in tolerant plants.

SECTION 13: DISPOSAL CONSIDERATIONS

Instructions for the disposal of this product and its containers are listed on the product label.

For collection of unwanted rural chemicals, contact ChemClear ®1800 008 182 www.chemclear.com.au and for help with the disposal of empty drums, contact DrumMuster® www.drummuster.com.au for local and State contacts.

SECTION 14: TRANSPORT INFORMATION

UN Number: None allocated
Proper Shipping Name: None allocated
SUSDP Classification: Not Scheduled.
ADG Class: None allocated. Not a dangerous good.
Hazchem Code: None allocated
Packaging Group: None allocated

SECTION 15: REGULATORY INFORMATION

SUSDP: Not Scheduled.
AICS (Australia): All of the components in this product are listed on the Australian Inventory of Chemical Substances.
APVMA Registration Number: 66199

SECTION 16: OTHER INFORMATION

This MSDS contains only safety-related information sourced from the public domain and analytical results on this product:

Acronyms:

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

AICS Australian Inventory of Chemical Substances

CAS number Chemical Abstracts Service Registry Number

Hazchem Number Emergency action code of numbers and letters that provide information firefighters

IARC International Agency for Research on Cancer

ASCC Office of the Australian Safety and Compensation Council

NTP National Toxicology Program (USA)

R-Phrase Risk Phrase

SUSDP Standard for the Uniform Scheduling of Drugs & Poisons

UN Number United Nations Number

Police and Fire Brigade: Dial 000 **Poisons Information Centre (13 1126)**

Emergency contact: 04 0214 9346 (24 hours)

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