



# **CUT'N'PASTE™ WEED GELS**

**LandMan Limited**

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND SUPPLIER

Supplier: LandMan Limited  
Company No.: 2406253 Date of formation 18 Feb 2010  
Street Address: 16 Hobson Terrace, Waiheke Island, Auckland 1081  
Telephone: +64 21 027 11631 +64 9 372 9333  
Web address: [www.cutnpaste.co.nz](http://www.cutnpaste.co.nz)  
Email address: [sales@cutnpaste.co.nz](mailto:sales@cutnpaste.co.nz)  
Emergency : Dial **0800 POISON** (0800 764 766) 24 hrs  
Product Name: Cut'n'Paste MetGel  
Description: Metsulfuron in the form of a gel  
Useage: As a targeted herbicide on environmental weed species  
Not for agricultural use

### 2. COMPOSITION/INFORMATION ON ACTIVE INGREDIENT

Name: Metsulfuron methyl (active ingredient) 60%(600g/kg of the active)  
CAS: 74223-64-6  
Compostion: 10g/L of active ingredient in an aqueous solution  
Remainder: Other proprietary ingredients surfactants, thickener, fillers

### 3. Hazard Identification

Priority Identifers: Ecotoxic  
HSNO Classes: Secondary Identifers  
9.1A Very toxic to aquatic organisms  
9.2A Very toxic to some plant species  
EPA Approval: HSR 100947

### 4. First Aid Measures

Skin Contact: In case of contact, wash affected areas with soap and water. Wash contaminated clothing before reuse. Seek medical advice if irritation persists.  
Eye Contact: Hold eyes open and rinse with water. Remove contact lenses if easy to do so. Seek medical advice if irritation occurs.  
Ingestion: Do not induce vomiting. Seek medical advice.

## 5. Fire Fighting Measure

**Fire Hazard:** MetGel does not pose a risk in fire situations.

## 6. Accidental Release Measures

Contain spills with absorbent material. Wear waterproof footwear and gloves to clean up. Place soiled items in waste containers and dispose of in landfill.

## 7. Storage, Handling and use

**Storage:** Keep out of reach of children. Store in a secure cool dark area in the original tightly closed container away from foodstuffs and feed.

**Use:** When used as advised MetGel poses no significant risks to operators or animals. MetGel must not be used on agricultural areas or on crops or animal feedstuffs. MetGel must not be applied into, onto or over water.

**Approved Handler:** MetGel must be used under the personal control of an approved handler *when applied in a wide dispersive manner or used by a commercial operator*

**Tracking:** Is not required

**Record Keeping:** Is advised when MetGel is applied

**Restrict Entry:** Restrict entry into application area until the gel has dried.

**Site Requirements:** None required under normal operating conditions.

**Additional:** No further requirements unless more than 60L are to be stored. Please contact Cut'n'Paste if you intending to store more than this quantity.

## 8. Exposure Control/Personal Protection

Limit exposure to lowest practicable levels in all circumstances.

**Personal Gear:** Wear waterproof footwear and gloves and overalls when applying to avoid skin contact. Safety glasses are advised to prevent entry into eyes. Wash hands before eating or drinking.

## 9. Physical and Chemical properties

**Appearance:** A whitish gel

**Odour:** A slight 'chemical' odour

**Melting Point:** Not applicable

**Flash Point:** Not applicable

**Auto Ignition:** Not applicable

**Explosive limits:** Not applicable

**Density:** 1g/ml (approx.)

**Vapour pressure;**  $3.3 \times 10^{-7}$  mPa (25C) (metsulfuron-methyl)

**Solubility in Water:** Dispersable

pH: 6.5  
Oxidising: Not an oxidizer  
Corrosive: Not corrosive

#### 10 Stability and reactivity

Stability: Stable when kept as advised for 6 month. The product will gradually decrease in effectiveness. The gel is not reactive.  
Incompatibility: Avoid acidic additives and oxidizing agents such as chlorine.  
Decomposition: Decomposition of the active ingredient will occur over time.

#### 11. Toxicological Information

This section describes effects that could occur if this material is not handled in accordance with this data sheet.

Swallowed: Not known, no reported case of metsulfuron poisoning known  
Eye: Possible slight irritation  
Skin: Possible allergic reaction and/or skin irritation Acute Dermal with active ingredient LD50 Rabbit >2000mg/Kg  
No other known effects

#### 12. Ecotoxic Information

This section describes effects that could result from this material's misuse when not handled according to this data sheet. **And refers to the active ingredient alone at 100 times the concentration found in MetGel**

Ecotoxic Effects: Acute Oral LD50 (Mallard Duck) >5000mg/Kg  
LC50 (96hrs)(Rainbow Trout) >150mg/L  
LC50 (48hrs)(Daphnia)>150mg/L  
LC50 (96hrs)(Green Algae) 100mg/L  
Very toxic to some plant species  
Non-Toxic to bees

Environmental Fate:  
Biodegradable. DT50 (soil) 1 – 5 weeks

Partition Co-Efficient (Kow)  
LogP = -1.74 (low)

Environmental Exposure Limite:  
Product – Non Established  
Active Ingredient – 8ng/L (water), 0.52 ug/kg (soil, sediment)

### 13. Disposal Considerations

**Product:** The product should be used within a 6 month period. The bottles and containers can be recycled or unused product sent to a suitable landfill.

### 14. Transport Information

This product does not constitute dangerous goods

### 15. Regulatory Information

**HSNO:** HSR 100947

Not to be used on or near foodstuffs and crops intended for human or animals.

### 16. Other Information

<b>Approved handler</b>	For some hazardous substances, persons storing, handling and using MetGel must be trained and certified
<b>DT50</b>	Time (days) for 50% reduction in concentration
<b>EC50</b>	Concentration required to produce and effect in 50% of organisms
<b>Envir Ex Limit</b>	Maximum concentration limit of a substance in an environmental medium e.g. water, soil,
<b>Hazchem Code</b>	Emergency Sustances and New Organisms
<b>LC50</b>	Concentration that will kill 50% of organisms
<b>LD50</b>	Dose that will kill 50% of organisms
<b>Kow</b>	Ration of concentration between octanol and water. Values are given as the log value. A high value indicates a substance may bioaccumulate
<b>Record Keeping</b>	A herbicide application diary
<b>REI</b>	Restricted Entry Interval after application without protective gear
<b>Safety Note</b>	A brief document providing hazardous substance information for transport, storage and emergency management purposes

#### NOTE

This SDS summarises known information about the active ingredient contained in MetGel and how to use and handle the product safely. You should familiarize yourself with the product label and this sheet and consider the information in the context of how the product will be handled and used, including in conjunction with other products.

Cut'n'Paste (LandMan Limited) accepts no responsibility for the accuracy, completeness or suitability of this information. The user is responsible for determining the suitability and accuracy of this information for their particular purposes.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.