

## PRODUCT SAFETY DATA SHEET

### 1. † Identification of the Product and the Company

**Product Name:**

**CIMARRON®**

A herbicide for use in agriculture.

**Marketed by:**

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### 2. Hazards Identification:

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. EU Classification N (Dangerous for the environment)

### 3. Composition/Information on Ingredients:

<u>Ingredient</u>	<u>CAS No</u>	<u>Conc'n</u>	<u>Class'n</u>	<u>Risk Phrases</u>
Metsulfuron-methyl	74233-64-6	50.0% w/w	N	R50/53
Citric acid	77-92-9	5-10% w/w	Xi	R36/38

### 4. First Aid Measures:

Eyes: Irrigate gently with clean water for at least 15 minutes. Seek medical advice if any irritation or redness persists.

Skin: Wash off immediately with soap and plenty of water. Consult a doctor if any irritation persists.

Ingestion: Do not induce vomiting without medical advice. Seek medical advice without delay.

Inhalation: Remove from exposure.

### 5. Fire Fighting Measures

This product will not burn. If involved in a fire, decomposition fumes and vapours may be harmful. Fire fighters should wear breathing apparatus.

Use dry chemical, foam, water spray, carbon dioxide, sand or earth. Do not use high volume water jets (contamination risk).

Prevent entry of the product or contaminated fire-fighting water into watercourses ditches or drains by bunding the area with sand or earth. Collect fire-fighting water separately if possible.

If the area is heavily exposed to fire and if conditions permit, let the fire burn itself out since water may increase the area contaminated. Keep containers cool with water spray.

**6. Accidental Release (Spillage)**

Wear suitable protective clothing (see Section 8).

Recover spillage by sweeping, scoop or a suitable industrial vacuum cleaner. Place in a suitable labelled container for later removal to a safe place for disposal.

Do not flush into surface waters, sewers or drains. Do not allow groundwater to become contaminated.

If the spill is on ground near valuable plants or trees, remove the top 5 cms of top-soil after initial clean-up.

**7. Storage and Handling**

Keep in original container, tightly closed.

Keep cool and dry in a suitable agricultural chemical store under lock and key.

Keep away from heat and sources of ignition.

Keep away from food, drink and animal feedingstuffs and out of reach of children..

**8. Exposure Control/Personal Protection**

Wear coveralls, nitrile rubber protective gloves and face-shield to BS2092 or safety glasses when handling the concentrated product and dealing with spillages. Ensure adequate ventilation.

Wash hands and exposed skin before meals and after work. When using do not eat, drink or smoke. Avoid breathing the spray mist when using.

Decontaminate all personal protective equipment after use. Dispose of rinse water according to local regulations.

Occupational Exposure Limits:       None assigned

**9. Physical and Chemical Properties**

Appearance:               a solid white tablet

Odour:                     no discernable odour

Flammability:            Not flammable under normal handling

Explosive properties:   Not explosive

Solubility:                Readily soluble in water

**10. Stability and Reactivity**

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions.

Reactivity: None if stored and applied as directed.

Decomposition: may generate oxides of carbon and nitrogen if heated to decomposition.

Conditions to avoid: exposure to water. This product is an effervescent tablet and will react vigorously in contact with water.

**11. Toxicological Information**

**Acute Toxicity:**

Acute oral LD50:	>5,000 mg/kg.bw (rat)
Acute dermal LD50:	>2,000 mg/kg.bw (rabbit)
Inhalation LC50:	Metsulfuron-methyl - >5.3 mg/l
Irritancy:	Not a skin or eye irritant
Sensitisation:	Not a sensitiser in laboratory tests

**12. Environmental Protection**

Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Do not contaminate surface waters or ditches with chemical or used container.

LC50 (96 hour):	Rainbow trout > 150 mg/l (metsulfuron-methyl)
EbC50 (72 hour):	Algae <i>Selenastrum</i> 0.165 mg/litre (metsulfuron-methyl)

EC50 (48 hour):	<i>Daphnia magna</i> >150 mg/l (metsulfuron-methyl)
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**13. † Disposal of Unwanted Product and Used Containers**

Consult the local authorities before disposing of unwanted chemical. It is recommended that the chemical is incinerated in a suitable incineration plant. Dispose of containers as permitted by local authorities. Do not re-use containers for any purpose.

**14. Transport Information**

Road Transport:	Environmentally hazardous solid
UN Number:	3077
Proper Shipping Name:	Environmentally hazardous substance, solid, N.O.S (metsulfuron-methyl)
UN Class:	9
CPL Packing Group:	III
Classification Code:	M7
IMDG Class:	Not classified as dangerous. Optional classification as per IMDG Special Provision 909 and IATA Special Provision A97

**15. Regulatory Information**

Hazard Symbol:	Dangerous for the environment N
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## Risk Phrases:

R50/53	Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
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## Safety Phrases:

S2	Keep out of reach of children
S13	Keep away from food, drink and animal feedingstuffs
S35	This material and its container must be disposed of in a safe way.
S57	Use appropriate containment to avoid environmental contamination

To avoid risks to man and the environment, comply with the instructions for use.

**16. Other Information**

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Cimarron is approved by the Pesticides Safety Directorate for use as a herbicide.

Registration No. MAPP 13408

Cimarron is a registered trademark of DuPont (UK) Ltd.

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