

MATERIAL SAFETY DATA SHEET

MACSPRED® METMAC™ 600 WG HERBICIDE

SECTION 1 - IDENTIFICATION

PRODUCT NAME: Macspred Metmac 600 WG Herbicide
OTHER NAMES: None
RECOMMENDED USE: A herbicide for the control of brush and broadleaf weeds in native pastures, rights of way and commercial and industrial areas, and for the control of certain broadleaf weeds in grass pastures and pasture renovations.
COMPANY: Macspred Pty Ltd - ABN 85 011 029 495
ADDRESS: 13 Kennedys Drive, Delacombe VIC 3356
TELEPHONE NUMBER: (03) 5335 8522
EMERGENCY NUMBERS: First Aid: 13 11 26 (Poisons Information Centre)
Transport Emergency: 000 (Police or Fire)

SECTION 2 - HAZARDS IDENTIFICATION

HAZARDS CLASSIFICATION: Not classified as hazardous according to the criteria of the National Occupational Health & Safety Commission (NOHSC)
SAFETY PHRASES: S22 Do not breathe dust.
S24/25 Avoid contact with skin and eyes.
S36 Wear suitable protective clothing.
ADG: This product is not classified a Dangerous Good under the Australian Code for Transport of Dangerous Goods by Road and Rail
POISON SCHEDULE: Unscheduled
CLASSIFICATION: (Standard for Uniform Scheduling of Drugs and Poisons).

SECTION 3 – COMPOSITION

INGREDIENTS:

CHEMICAL ENTITY	CAS NUMBER	PROPORTION
Metsulfuron methyl	74223-64-6	60%
Inerts		40%

SECTION 4 – FIRST AID MEASURES

Swallowed:	No specific intervention is indicated, as the compound is not likely to be hazardous by ingestion. However, seek Medical attention if necessary.
Skin:	In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse.
Eyes:	In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek Medical attention.
Inhaled:	Avoid breathing dust. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek Medical attention.

ADVICE TO DOCTOR

No specific requirements. Treat symptomatically

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water spray, dry powder, foam, carbon dioxide (CO₂).

FIRE/EXPLOSION HAZARDS:

Not a fire and explosion hazard. Like most organic powders, or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS:

Evacuate personnel to a safe area. Wear self-contained breathing apparatus and full protective equipment. On small fires, if area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILLS AND DISPOSAL:

Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with cleanup.

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dyke spill. Prevent liquid from entering the sewers, waterways, or low areas. Shovel or sweep up. DO NOT flush with water. If spill area is on ground near trees or desirable vegetation, remove the top 50 mm of soil after initial cleanup. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and local regulations. Triple rinse the container, then puncture and dispose of in a sanitary landfill or by other approved methods. DO NOT burn empty containers or product.

SECTION 7 – HANDLING AND STORAGE

STORAGE AND TRANSPORT

Store in the closed, original container in a cool, dry, well ventilated area out of direct sunlight. Keep at temperatures below 140°C. Keep from contact with fertilisers, fungicides and seeds.

This product is not a dangerous good.

SECTION 8 – EXPOSURE CONTROLS

EXPOSURE STANDARDS

None established for formulated product.

INGREDIENT	TWA mg/m ³
Metsulfuron methyl:	TWA (NOHSC): 10 mg/m ³ , dusts not otherwise classified AEL (DuPont): 10 mg/m ³ (8 and 12 hr TWA)

ENGINEERING CONTROL

Use only with adequate ventilation.

PERSONAL PROTECTIVE MEASURES

May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

FLAMMABILITY

Not a fire and explosion hazard. May be ignited by heat or open flame.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

FORM: Granular solid
COLOUR: Off White
ODOUR: Odourless

OTHER PROPERTIES

BULK DENSITY: 0.63 g/cm³
CHEMICAL GROUP: sulfonylurea
pH: 4.2
SOLUBILITY IN WATER: 2.8 g/L at pH 7
EXPLOSION LIMITS: Not flammable, not explosive

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY DATA: Stable at normal temperatures and storage conditions. Decomposition will not occur. Polymerisation will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Not likely to be hazardous by ingestion. Not classified as hazardous by ingestion according to the criteria of NOHSC. Acute Oral LD50 (rat): > 5000 mg/kg (metsulfuron methyl).

Eye: Based on animal data, eye contact with metsulfuron methyl may cause eye irritation with tearing, pain or blurred vision. Not classified as an eye irritant according to the criteria of NOHSC.

Skin: Based on animal data, repeated dermal contact with metsulfuron methyl may cause skin irritation with itching, burning, redness, swelling or rash. Not a primary skin irritant or skin sensitiser. Not classified as a skin sensitiser according to the criteria of NOHSC. Acute Dermal LD50 (rabbit): > 2000 mg/kg (metsulfuron methyl).

Inhaled: May irritate throat. Not classified as hazardous by inhalation according to the criteria of NOHSC. 4 hr inhalation LC50 (rat): > 5.0 mg/L (metsulfuron methyl).

Chronic: Animal testing indicates that metsulfuron methyl does not have carcinogenic, developmental or reproductive effects. There is a report indicating that metsulfuron methyl produced genetic damage in a mammalian cell culture test, however, other tests with metsulfuron methyl in bacterial and mammalian cell cultures and in animals did not produce genetic damage. The weight of evidence suggests that metsulfuron methyl does not cause genetic damage. Long term administration caused body weight loss.

Other Health Effects: No data is available to confidently predict the effects of overexposure to humans, however based on animal studies, overexposure by inhalation, ingestion, or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision; or irritation of the upper respiratory passages. Repeated dermal exposure may lead to skin irritation with discomfort or rash.

SECTION 12 – ECOLOGICAL INFORMATION

ENVIRONMENT:

Metsulfuron methyl
96 hr LC50 (rainbow trout, bluegill sunfish, Daphnia): > 1000 mg/L
8 day oral LC50 (bobwhite quail): > 5620 mg/kg
8 day oral LC50 (mallard duck): > 2510 mg/kg
EC50 72hr/algae = 0.66 mg/L
Bioaccumulation: log POW = -1.74 (pH 7)

SECTION 13 - DISPOSAL CONSIDERATIONS

KEEP OUT OF REACH OF CHILDREN

Store in the closed, original container in a dry, cool, well-ventilated area, out of direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

SECTION 14 - TRANSPORT INFORMATION

UN NUMBER: None allocated
ADG: Not a dangerous good

SECTION 15 – REGULATORY INFORMATION

Product registered by Australian Pesticides and Veterinary Medicines Authority

SECTION 16 –OTHER INFORMATION

Revised May 2009
Literary references:

- 1) Standard for the Uniform Scheduling of Drugs and Poisons – Commonwealth Department of Health and Aging
- 2) Australian Inventory of Chemical Substances (AICS)

ACRONYMS:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

THIS MSDS 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 MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.