



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	:	Metsulfuron-methyl 20.0%
Product Identifier/Trade Name	:	G-MET
Use of the Substance/Mixture	:	Herbicide
Formulation	:	Wettable Granule (WG)
Company Identification	:	G-PLANTER SDN. BHD. (200401005370) No. 11 A, Jalan Mahsuri, Kawasan Perindustrian Kluang 1, 86000, Kluang, Johor.
Office Phone	:	+ 6 07-7878488
Fax No.	:	+ 6 07-7878480
Emergency Telephone No.	:	999

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification of the substance

Acute toxicity	:	Category 4
Acute hazards to the aquatic environment	:	Category 1
Long-term hazard to the aquatic environment	:	Category 4
Signal Word (s)	:	Warning

Pictogram



Hazard Statement (s)

H302 (Oral)	:	Harmful if swallowed
H312 (Dermal)	:	Harmful if in contact with skin
H333 (Inhalation)	:	Harmful if inhaled
H400	:	Very toxic to aquatic life
H413	:	May cause long lasting harmful effects to aquatic life

General Precautionary Statement (s)

P260	:	Do not breathe dust/fume/gas/mist/vapours/spray.
P262	:	Do not get in eyes, on skin, or on clothing.
P280	:	Wear protective gloves, clothing, eye and face.
P271	:	Use only outdoors or in a well-ventilated area.
P273	:	Avoid release to the environment.
P391	:	Collect spillage.



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

SECTION 3 – COMPOSITION /INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration(% by weight)
Metsulfuron methyl	74223-64-6	20.0 %
Poly (Dimethylnaphthalenesulfonic Acid/Formaldehyde/ Methylnaphthalenesulfonic Acid) Sodium Salt	68425-94-5	3.0 %
Inert Ingredients	-	77.0 %

SECTION 4 – FIRST AID MEASURES

- General advice** : Never give anything by mouth to an unconscious person. Have the product container or label with you when calling a pesticide control center or doctor, or going for treatment.
- Inhalation** : Move to fresh air. Call a pesticide control center or doctor for treatment advice.
- Skin contact** : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a pesticide control center or doctor for treatment advice.
- Eye contact** : Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue Rinsing eye. If eye irritation persists, consult a specialist.
- Ingestion** : Consult a physician if necessary. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Dry chemical, Foam, Carbon dioxide (CO2)
- Extinguishing media which shall not be used for safety reasons** : High volume water jet, (contamination risk)



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information : Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Do not allow run-off from fire fighting to enter drains or water courses. Cool containers / tanks with water spray. Control Runoff (on small fires) : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions : Review sections 5 and 7 before proceeding with clean-up. Use personal protective equipment.

Environmental precautions : Prevent material from entering sewers, waterways, or low areas.

Methods for cleaning up : Clean-up methods - large spillage Prevent further leakage or spillage. Use approved industrial vacuum cleaner for removal. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean- up. Shovel into suitable container for disposal. Clean-up methods – small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.

Additional advice : Refer to the product label for instructions.

SECTION 7 – HANDLING AND STORAGE

Handling

Advice on safe handling : Provide appropriate exhaust ventilation at places where dust is formed. wear personal protective equipment.

Advice on protection against fire and explosion : Dust may form explosive mixture in air. Keep away from heat and sources ignition.

Storage

Requirements for and containers Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in areas storage. Store in original container. Store in a cool, dry place. Observe label precautions.



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

We are not aware of any national exposure limit.

Engineering measures

Use sufficient ventilation to keep employee exposure below recommended limits.

Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection : Material: Chemical-resistant gloves

Eye protection : Goggles, face shield, or safety glasses.

Skin and body protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wash thoroughly after handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Protective measures : End users of this product should follow label instructions for personal protection when using this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form : Granular

Colour : White

Odour : Odourless

pH : 4.2 (10 g/l)

Flash point : Not applicable

Explosive properties : Not explosive

Bulk density : 730 kg/m³

Water solubility : 33.5 g/l



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

SECTION 10 – STABILITY AND REACTIVITY

Materials to avoid : No materials to be especially mentioned.

Hazardous decomposition products : No information available.

Hazardous reactions : Stable under normal conditions.

SECTION 11 – TOXICOLOGY INFORMATION

Acute oral toxicity : LD50/rat : > 5,000 mg/kg

Acute inhalation toxicity : LC50/4 h/rat : > 5 mg/l

Acute dermal toxicity : LD50/rabbit : > 2,000 mg/kg

Skin irritation : Rabbit
Result: No skin irritation

Eye irritation : Rabbit
Result: No eye irritation

Sensitization : Guinea pig Classification: Did not cause sensitization on laboratory animals.

Repeated dose toxicity : Oral rat - Reduced body weight gain. Organ weight changes liver.
Dermal rabbit - Skin irritation

Mutagenicity assessment : Did not show mutagenic effects in animal experiments. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not others.

Carcinogenicity : Did not show carcinogenic effects in animal experiments.

Toxicity to reproduction assessment : Animal testing did not show any effects on fertility.



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

SECTION 12 – ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : According to the results of tests of biodegradability this product is not readily biodegradable.

Ecotoxicity effects

Toxicity to fish : LC50/96 h/Oncorhynchus mykiss (Rainbow trout): > 150 mg/l
LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 150 mg/l

Toxicity to algae : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.857 mg/l
Active ingredient

Aquatic toxicity : EC50/48 h/Daphnia: > 150 mg/l
Active ingredient

Further information on ecology

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

SECTION 13 – DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not re-use empty containers.

SECTION 14 – TRANSPORT INFORMATION

IMDG (International Maritime Dangerous Goods)

UN-Number : 3077

Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Metsulfuron methyl)

Class : 9

Packaging group : III

Labeling No. : 9



SAFETY DATA SHEET

G-MET

Date of Issue : 2nd Jan 2023

Marine pollutant : Yes

SECTION 15 – REGULATORY INFORMATION

National regulatory information

Pesticides Act 1974 (Act 149) (amended 2004).

Registration No : LRMP. R1/8908

SECTION 16 – OTHER INFORMATION

Further information:

This SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in a workplace. Each user must review this information in a specific context of the intended application. G-Planter Sdn. Bhd. will not be responsible for damages of any nature resulting from use of or reliance upon this information.

-End of SDS-