



Safety Data Sheet

PRISM MAX 600 WG- Reg. No: L 8846 (Act No 36 of 1947)

Date of issue: 01/02/2012

Date revised: 05/11/2021

1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	PRISM 600 WG
Other means of identification:	Metsulfuron-methyl 600 g/kg WG
UN Number:	3077
Recommended use:	Herbicide
Restrictions on use:	Agriculture
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 www.agritech.co.za
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL): 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE: 0861 555 777 RAPID SPILL RESPONSE: 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	2-(4-methoxy-6- methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoate
2) Classification of the substance / mixture:	
Classification of the product:	Aquatic Acute 1: H400 Aquatic Chronic 1: H 410 N; Xi; Xn; R20/22; R36/37/38; R41; R43; R50/53 Full text of R-phrases; see section 15
Label elements:	<p>Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.</p> <p>Hazardous components which must be listed on the label: METSULFURON-METHYL</p> <p>Hazard pictogram(s):</p> <p> </p> <p>Signal Word: WARNING</p> <p>Hazard statement(s):</p> <p>H302: Harmful if swallowed. H316: Causes mild skin irritation. H319: Causes serious eye irritation. H410: Very toxic to aquatic life with long-lasting effects. H421: Very toxic to the soil environment.</p>

	Precautionary Statement(s): P102: Keep out of reach of children. P130: read label before use. P201: Obtain special instructions before use. P202: Do not handle until all safety precautions P202: Do not handle until all safety precautions have been read and understood. P270: Do not eat, drink or smoke when using the product. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves, protective clothing, eye protection. P305 + P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/attention. P332 + P313: If skin irritation occurs: Get medical advice/ attention. P501: Dispose of content / container to hazardous or special waste collection point.																		
Health effects: eyes:	Cause serious eye irritation																		
Health effects: skin:	Causes mild skin irritation.																		
Health effects: ingestion	May be harmful. Product is not likely to be hazardous when ingested.																		
Health effects: inhalation	May be harmful.																		
Health effects: Other	None known.																		
3) COMPOSITION / INFORMATION ON INGREDIENTS:																			
Mixture: Metsulfuron-methyl 600 g/kg Water Dispersible Granule (WG)																			
<table><tr><th>Chemical name</th><th>% Composition</th><th>CAS No.</th><th>EC No.</th><th>Classification according to Regulation EC 1272/2008 (CLP)</th><th>Classification according to 67/548/EEC</th></tr><tr><td>Metsulfuron-methyl</td><td>60%</td><td>74223-64-6</td><td>-</td><td>Aquatic Acute 1: H400 Aquatic Chronic 1: H 410</td><td>N; R50-53</td></tr><tr><td>Other ingredients</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Chemical name	% Composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC	Metsulfuron-methyl	60%	74223-64-6	-	Aquatic Acute 1: H400 Aquatic Chronic 1: H 410	N; R50-53	Other ingredients						
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Other ingredients																			
Full text of R- and S-phrases: see section 15.																			
4) FIRST AID MEASURES:																			
Eye contact:	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance.																		
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Seek medical assistance should irritation persist.																		
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting unless told to so by poison control centre or doctor. A glass of water may be given to sip. For advice, contact the National Poisons Centre. Seek medical assistance immediately.																		
Inhalation:	Remove patient to fresh air. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance.																		

<p>Most important symptoms and effects, acute and delayed:</p> <p>Indication of immediate medical attention and special treatment needed: Advice to physician</p>	<p>Not known</p> <p>Treat symptomatically and supportively. Administer aminophylline (0.25 – 0.5 g) slowly, intravenously.</p> <p>Administer morphine in small dosages (5 –10 mg) slowly, intravenously to ally and promote deeper respiration.</p> <p>Children's dosage 0.1 – 0.2 mg/kg.</p> <p>Epinephrine, atrapine and expectorants are not generally helpful and may complicate treatment.</p>
5) FIRE-FIGHTING MEASURES:	
<p>Suitable extinguishing media:</p> <p>Unsuitable extinguishing media:</p> <p>Special hazards arising from the substance or mixture:</p>	<p>There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Extinguish fire with foam, dry powder, carbon dioxide or water spray.</p> <p>Water jet, due to contamination risk.</p> <p>Not a fire or explosion hazard. Extinguish fire with foam, water spray, dry powder, carbon dioxide (CO₂). Fine dust dispersed in air (particularly in confined spaces) may ignite if exposed to high temperature ignition source.</p>
Fire-fighting:	<p>Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire.</p> <p>Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal.</p> <p>Generating poisonous and corrosive fumes. Keep upwind. Avoid inhaling hazardous vapours and fumes from burning materials. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.</p> <p>Do not scatter the material. Water can be used to cool containers. Dispose of extinguishing agent and spillage in a safe way at a later stage.</p> <p>Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. Contain run-off water with, for example, temporary earth barriers.</p> <p>Generating poisonous and corrosive fumes</p>
Protective clothing:	Full protective clothing and self-contained breathing apparatus.
6) ACCIDENTAL RELEASE MEASURES:	
<p>Personal precautions:</p> <p>Environmental precautions:</p> <p>Cleaning procedure:</p>	<p>Wear appropriate safety clothing and eye/face protection. Do not breathe in spray or fumes.</p> <p>For personal protection see Section 8.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately.</p> <p>Wear protective clothing. Clear area of unprotected personnel. Contain and absorb liquid spills with inert material and place in waste containers. Wash area with water containing soda or detergent and absorb with further inert material. If spill does enter waterways contact the</p>

Emergency eye wash:	Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.
9) Physical & Chemical Properties:	
Form: Colour: Odour: Odour threshold: pH: Melting point / Freezing point Initial boiling point and boiling range Flash point: Evaporation rate: Flammability (solid, gas) Upper/ lower flammability or explosive limits: Vapour pressure: Vapour density: Density: Solubility(ies) Partition coefficient: n-octanol/water Auto-ignition temperature: Viscosity:	Granules Light brown Characteristic odour No data available ±7.0 No data available No data available Does not flash N/A Fine dust dispersed in air, particularly in confined spaces) may ignite if exposed to high temperature ignition source. No data available No data available No data available 1.58 g/kg Soluble No data available No data available No data available
10) STABILITY & REACTIVITY:	
Reactivity: Chemical stability: Hazardous decomposition product(s): Conditions to avoid: Incompatible materials:	No hazardous reactions if stored and handled as indicated / prescribed. Stable under normal conditions. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. None under normal conditions. Products arising from combustion or thermal decomposition may be toxic, corrosive or flammable. Container should be kept on a cool, dry place. None known.
11) TOXICOLOGICAL INFORMATION:	
Acute: Oral LD50 : >5 000 mg/kg, rat. Dermal LD50 : >2 000 mg/kg Inhalation LC50 (4h): > 5.7 mg/L, mouse (Very low toxicity) Skin irritation : Slight irritant, rabbit. Eye irritation : Slight irritant, rabbit. Sensitization : Does not cause sensitization skin contact, (guinea pig). Other :	

Repeated dose toxicity: No data available.

Mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Teratogenicity: No data available.

12) ECOLOGICAL INFORMATION: Information below based on active ingredient

Bees: Not hazardous to bees; LD₅₀ > 25µg/bee.

Birds: LD₅₀ for Mallard duck >2510 mg/kg and bobwhite quail > 5620 mg/kg.

Fish: LC₅₀ (96 h) for rainbow trout and Bluegill sunfish > 150 mg/L.

Daphnia Magna: LC₅₀ (48 h) > 120 mg/L.

Algae: Algae EbC50 (72 h) for green algae 0.157 mg/L.

Worms: LD. >1 000 mg/kg.

Other aquatic spp.: EC₅₀ for Lemna gibba 0.00036 mg/L.

Environmental fate:

Persistence and degradation:

Animals In mammals, following oral administration, metsulfuron-methyl is excreted predominantly unchanged. The methoxycarbonyl and sulfonylurea groups are only partly degraded, by O-demethylation and hydroxylation. Plants In plants, undergoes complete degradation within a few days, by hydrolysis and conjugation. In addition to the hydroxymethyl analogue, other metabolites identified include methyl 2- (aminosulfonyl) benzoate and 2-(aminosulfonyl) benzoic acid. Rapidly metabolised within cereal plants. Soil/Environment In soil, metsulfuron-methyl is broken down both by chemical hydrolysis and by microbial degradation. DT50 varies from 1 to 5 w, with breakdown.

Bio-degradation:

Soil/Environment In soil, metsulfuron-methyl is broken down both by chemical hydrolysis and by microbial degradation. DT50 (ave.) in a range of field soils is 52 days, with faster degradation in acidic soils 13.5 d. Not readily biodegradable. Estimation based on data obtained from the active material

Bio accumulative potential

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

13) DISPOSAL CONSIDERATIONS:

Waste Disposal: In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Refer to the product label for instructions. Triple rinse empty containers before disposal in the following manner: Invert the container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed to a drip. Thereafter, rinse the container three times with a volume of water equal to a third of that of the container volume. Add rinsing to the contents of the spray tank before destroying the container in the prescribed manner. Empty containers should not be burnt; puncture and flatten containers and dispose at a licensed landfill site according to local regulations. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Prevent contamination of water sources, food or feed by disposal. DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE. If recycling, replace cap and take containers to the designated recycling point. If containers cannot be recycled, they should be disposed of together with the waste chemical according to local regulations.

14) TRANSPORTATION INFORMATION:

UN Number: 3077



Road and Rail Transport ADR/ RID:

Class: 9

Packaging group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, ID, SOLID.N.O.S. (METSULFURON-METHYL)

Maritime Transport IMDG / IMO:

Marine pollutant: yes

Class: 9

Packaging group: III

Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, ID, SOLID.N.O.S. (METSULFURON-METHYL)

Air Transport IATA:

Class: 9

Packaging group: III

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, ID, SOLID.N.O.S. (METSULFURON-METHYL)

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC code): NA

15) REGULATORY INFORMATION:**Labelling according to EC directives:**

Hazardous components which must be listed on the label: METSULFURON-METHYL

Indication of danger: Xi: Irritant

N: Environmentally hazardous substance

Risk – Phrase (s):

R36/37/38 - Irritating eyes, respiratory system and skin.

R43 - May cause sensitisation by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety – Phrase (s):

S1/2 - Keep under lock and key and out of the reach of children.

S7/9 - Keep container tightly closed and in a well-ventilated place.

S13 - Keep away from food, drink and animal feeding stuffs.

S20/21 - When using do not eat, drink or smoke.

S23 - Do not breathe fumes/vapour/spray.

S24/25 - Avoid contact with skin and eyes.

S28 - After contact with skin, wash immediately with plenty of water and non-abrasive soap.

S35 - This material and its container must be disposed of in a safe way.

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.

S46 - If swallowed, seek medical advice immediately and show this container.

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. Other Information

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and

understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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