

## Evaluation Report for Category B, Subcategory 2.3, 2.4 Application

**Application Number:** 2015-1274  
**Application:** New End-Use Product Chemistry – Identify of Formulants and Proportion of Formulants  
**Product:** GF-2018 Herbicide  
**Registration Number:** 32314  
**Active ingredients (a.i.):** Glyphosate (present as dimethylamine salt)  
**PMRA Document Number :** 2632155

### Purpose of Application

The purpose of this application was to register the end-use product, GF-2018 Herbicide, containing glyphosate as dimethylamine salt, as a commercial class product with restricted uses, for nonselective weed control in cropland systems and in forestry and other non-cropland areas.

### Chemistry Assessment

GF-2018 Herbicide is formulated as solution containing glyphosate (present as dimethylamine salt) at a nominal concentration of 480 g/L. This end-use product has a density of 1.21 – 1.23 g/mL and pH of 4.84. The required chemistry data for GF-2018 Herbicide have been provided, reviewed and found to be acceptable.

### Health Assessments

GF-2018 Herbicide was of low acute toxicity via the oral, dermal and inhalation routes in the rat. It was minimally irritating to the eye and slightly irritating to the skin of rabbits. It was not a dermal sensitizer in mice.

The use of GF-2018 Herbicide is not expected to result in potential occupational or bystander exposure over the registered uses of glyphosate present as dimethylamine salt. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

No residue data for glyphosate were submitted to support the registration of GF-2018 Herbicide, containing this active ingredient. The use pattern for GF-2018 Herbicide is the same as the use pattern of currently registered end-use products containing glyphosate. The maximum residue limits (MRLs) currently established for residues of glyphosate and metabolites, and the default MRL of 0.1 ppm where no specific MRL has been established, are considered adequate to cover the expected residue levels generated by the use of GF-2018 Herbicide. Dietary exposure to glyphosate is not expected to increase and will not pose an unacceptable health risk to any segment of the population, including infants, children, adults and seniors.

## Environmental Assessment

Environmental precautionary statements on the label are adequate. The use of GF-2018 Herbicide is not expected to increase environmental risk as compared to the previously registered products.

## Value Assessment

The information provided including scientific rationales, data, and information based on precedent registrations was found to be supportive of the value of GF-2018 Herbicide.

## Conclusion

The Pest Management Regulatory Agency has completed an assessment of the available information and is able to support the registration of GF-2018 Herbicide.

## References

PMRA Document Number	References
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2518754	2008, Determination of Surface Tension, Explosive Properties, Auto-Ignition Temperature and Oxidising Properties for GF-2018, DACO: 3.5.11,3.5.12,3.5.8 CBI
2518752	2009, Specificity of CIP AC Method 284/SL/(M)/3 for the Determination of Glyphosate in GF-2018, DACO: 3.3.1,3.4.1 CBI
2518756	2010, Storage Stability and Package Corrosion Characteristics of GF-2018; One Year Ambient Study, DACO: 3.5.10,3.5.14 CBI
2518755	2011, GF-2018 Two Year Ambient Storage Stability and Package Corrosion Characteristics in 1L PET, 1L HDPE, and 20L HDPE, DACO: 3.5.10,3.5.14 CBI
2518750	2012, Product Identification, DACO: 3.1,3.1.1,3.1.2,3.1.3,3.1.4 CBI
2557177	2015, 3.2.2, 3.2.3 GF-2018 Additional Comments on Formulation Process , DACO: 3.2,3.2.3 CBI
2518751	2015, Formulation Process, DACO: 3.2 CBI
2557176	2015, Group A - Product Description and Composition, Description of Formulation Process for GF-2018, DACO: 3.2 CBI
2518758	2012, Acute Inhalation - Waiver, DACO: 4.6.3
2518759	2008, GF-2018: Acute Oral Toxicity Up And Down Procedure In Rats, DACO: 4.6.1
2518760	2008, GF-2018: Acute Dermal Toxicity Study in Rats - Limit Test, DACO: 4.6.2
2518761	2007, GF-2018: Primary Eye Irritation Study in Rabbits, DACO: 4.6.4
2518762	2008, GF-2018: Primary Skin Irritation Study In Rabbits, DACO: 4.6.5
2518763	2007, GF-2018: LOCAL LYMPH NODE ASSAY IN CBA/J MICE, DACO:

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- 2518764 2015, GF-2018: Summaries and Use Description/Scenario, DACO: 5.1, 5.2
- 2518765 2015, GF-2018: Summary, Efficacy, Adverse Effects. DACO: 10.1, 10.2, 10.3
- 2518766 2014, NA12E8A001 Glyphosate formulations comparisons DSP.ppt, DACO: 10.2.3.2, 10.3.3
- 2518767 2010, Efficacy of glyphosate high-load (GF-2018) against Rubus, DACO: 10.2.3.3(A)
- 2518768 2009, Efficacy of glyphosate high-load against AGRRE in stubble, DACO: 10.2.3.3(B)
- 2518769 2009, Efficacy of glyphosate high-load (GF-2018) for pasture renewal or destruction, DACO: 10.2.3.3(C)

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