

## Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4 Application

**Application Number:** 2022-0189  
**Application:** New End-use Product (Product Chemistry) – Guarantee, Identity of Formulants, and Proportion of Formulants  
**Product:** Surfload  
**Registration Number:** 35021  
**Active ingredient (a.i.):** Surfactant blend  
**PMRA Document Number:** 3526669

### Purpose of Application

The purpose of this application was to register Surfload, a new adjuvant end-use product.

### Chemistry Assessment

Surfload is formulated as an emulsifiable concentrate containing a surfactant blend at a concentration of 42 %. This end-use product has a density of 1.07 g/cm<sup>3</sup> and pH of 2.5. The required chemistry data for Surfload have been provided, reviewed and found to be acceptable.

### Health Assessments

Surfload is of low acute toxicity via the oral, dermal and inhalation routes. It is severely irritating to the eyes and minimally irritating to the skin. It is a dermal skin sensitizer.

Surfload, containing a blend of surfactants, fits within the use pattern of the registered tank-mix partner products. In addition, the use pattern of Surfload is similar to that of other registered surfactant blends. As such, occupational and bystander exposures are not expected to exceed the current exposure to the registered uses. No health risks of concern are expected from the labelled uses, provided workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data were submitted or were required to support the registration of Surfload (containing 42% surfactant blend). Previously reviewed residue data on file for the active ingredients contained in the tank-mix partner products are adequate to support the uses of Surfload.

Exposure to residues of the active ingredients in the tank-mix partner products of Surfload in/on treated food commodities is not expected to be greater than that from the current uses and will be covered under the respective established maximum residue limits (MRLs), given that the end-use products to be applied with Surfload are already registered for use with the same type of adjuvant at similar rates.

Consequently, dietary exposure to residues of these active ingredients is not expected to increase with the registration of Surfload and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

### **Environmental Assessment**

The required environmental precautions statements to mitigate risks to the environment are included in the label and are sufficient to address environmental concerns. When used according to label directions, the environmental risks are acceptable for Surfload.

### **Value Assessment**

The provision of an alternative adjuvant option allows users greater flexibility to tailor the use of Adrenalin SC Herbicide and Reglone Desiccant according to their specific adjuvant preferences and availability.

Use history information from the U.S., existing precedent registrations and PMRA guidance information collectively demonstrated that Surfload has value when applied in tank mix with Adrenalin SC Herbicide and Reglone Desiccant for labelled surfactant uses.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the registration of Surfload.

## References

### PMRA

#### Document

Number	Reference
3311361	2022, Chemical Properties, DACO: 3.5,3.5.1,3.5.10,3.5.11,3.5.12,3.5.13,3.5.14,3.5.15,3.5.2,3.5.3,3.5.4,3.5.5,3.5.6,3.5.7,3.5.8,3.5.9 CBI
3365361	2022, Chemical Properties, DACO: 3.5 CBI
3365362	2022, Registration Package from Agrasyst SB 2021, DACO: 3.5 CBI
3426561	2023, SURFLOAD: Determination of Accelerated Storage Stability of Physical Properties, DACO: 3.5.1,3.5.10,3.5.11,3.5.14,3.5.2,3.5.3,3.5.6,3.5.7,3.5.9
3426565	2023, SurfLoad Formulation Process, DACO: 3.2.2 CBI
3426557	2022, Use History template copy (2), DACO: 10.2.4,10.3,10.3.2(A)
3426558	2022, Use History template copy (3), DACO: 10.2.4,10.3,10.3.2,10.3.2(A)
3311363	2022, Acute oral rat, DACO: 4.6.1
3311364	2022, Acute Dermal Rat, DACO: 4.6.2
3311365	2022, Acute Inhalation Rat, DACO: 4.6.3
3311366	2022, Primary Eye Irritation Rabbit, DACO: 4.6.4
3311367	2022, Primary Skin Irritation Rabbit, DACO: 4.6.5
3311368	2022, Dermal Sensitization Mice, DACO: 4.6.6

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