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Bumper 250 EC

Classification according to GHS

Company data on the product

Addendum

Adama South Africa (Pty) Ltd.

A summary of the toxicological evaluation for Bumper 25 EC is given in the following tables.

Table 1: Summary of evaluation of the studies on acute toxicity including irritancy and skin sensitisation for Bumper 250 EC

| Type of test, species, model system (Guideline) | Result | Acceptability | Classification (acc. GHS Rev 10 2023 & SANS 10234) | Reference |
|--|--|---------------|--|--|
| LD ₅₀ oral, rat (OECD 423) | 300<LD ₅₀ <2000 mg/kg bw | Yes | Acute Oral Tox. 4, H302 | Haferkorn, J. 2010 Report No. R-27084 |
| LD ₅₀ dermal, rat (OECD 402) | >2000 mg/kg bw | Yes | None | Haferkorn, J. 2010 Report No. R-27085 |
| LC ₅₀ inhalation, rat (OECD 403) | LC ₅₀ >9.46 mg/L No effect level 6.02 mg/L Clinical signs at 9.46 mg/L (apathy, impaired orientation and pilo-erection and abdominal position and ptosis in females only) but no mortality observed | Yes | None | Leuschner, J. 1994 Report No. R-7779 |
| Skin irritation, rabbit, patch test (OECD 404) | Non-irritant | Yes | None | Leuschner, J. 2010 Report No. R-27086 |
| Eye irritation, rabbit, (OECD 405) | Non-irritant | Yes | None | Leuschner, J. 2010 Report No. R-27087 |
| Skin sensitisation, guinea pig (OECD 406, Maximisation Test) | Sensitising | Yes | None | Leuschner, J. 1994 Report No. |

| | | | |
|---|------------------------|--|--------|
| | | | R-7780 |
| Supplementary studies for combinations of plant protection products | No data – not required | | |

Table 2: Additional toxicological information potentially relevant for classification/labelling of Bumper 250 EC

| | Substance (concentration in product, % w/w) | Classification of the substance/mixture (toxicology) | Reference |
|--|--|---|---------------------------------|
| Toxicological properties of active substance(s) (relevant for classification of product) | Propiconazole tech (CAS No. 60207-90-1 24.96% (w/w)) | Acute Oral Tox. 4, H302 Skin Sens. 1, H317 Reproductive Tox. 1B, H360 | ECHA |
| Toxicological properties of non-active substance(s) (relevant for classification of product) | (A) Calcium dodecylbenzenesulfonate (CAS No. 26264-06-2) | (A) Skin Irrit. 2, H315 Eye Dam. 1, H318 | Safety Data Sheet 09/01/2025 |
| | (B) Isooctyl alcohol (CAS No. 104-76-7, 3.50% (w/w)) | (B) Acute inhalation Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE3, H335 | |
| | Castor oil polyoxyethylene (CAS No. 61797-12-6, ≥ 8.50% (w/w)) | Not relevant for classification | |
| | Oxydopropanol (CAS No. 25265-71-8, ≥ 6.00% (w/w)) | Not relevant for classification | |
| | Methyl oleate (CAS No. 112-62-9, Up to 100% so 57.04 (w/w)) | Not relevant for classification | |

The acute toxicity studies conducted with Bumper 250 EC are sufficient to derive an acute classification.

Because propiconazole is classified Reproductive Tox. 1B, H360 and is present at 24.96% in Bumper 25 EC, this classification is carried over to Bumper.

It is noted that Bumper 250 EC **is not classified as a skin sensitiser**.