

Chlorsulfuron Summary

Uses

- Chlorsulfuron is used as a pre- and post-emergent herbicide to control a variety of weeds on cereal grains, pasture and rangeland, industrial sites, and turf grass.
- Agricultural uses include winter wheat, spring wheat, barley, oats, fallow field, pastures and rangeland. Usage data show little to no use at lawn and ornamental turf sites.

Health Effects

- Chlorsulfuron can cause decreased body weight gain.
- No evidence of carcinogenicity in rats or mice following oral exposure to chlorsulfuron.

Risks

Aggregated Risks from Food, Drinking Water, and Residential Exposure

- Risks from exposure to chlorsulfuron from dietary (food and water) and residential uses are not included in this decision. These risks were assessed in a decision that was published on August 14, 2002 in the *Federal Register* (volume 67, number 157). No risk concerns for general population, or infants/children, from aggregate exposure.

Occupational Risks

- 11 major occupational exposure scenarios assessed based on short-term (1 to 28 days) exposures only. No expected intermediate-, long-term or post-application exposures.
- Occupational handler risks are not of concern (all MOEs well above 100).

Ecological Risks

- Acute and chronic risk to birds, mammals and aquatic animals are not of concern.
- For all potentially exposed plant species, risks are of significant concern.

Endangered Species Risks

- Acute and chronic risk quotients for endangered terrestrial and aquatic animals are below the Agency's level of concern.
- Risk quotients for exposed endangered plants are above the Agency's level of concern.