



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

JUL 28 1987

MEMORANDUM

SUBJECT: EPA Registration No. 524-343
Rodeo Herbicide

FROM: Deloris F. Graham
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

TO: Robert J. Taylor, PM 25
Fungicide-Herbicide Branch
Registration Division (TS-767C)

E 7/31/87

APPLICANT: Monsanto Company
1101 17th Street NW.
Washington, DC 20036

ACTIVE INGREDIENT:

Isopropylamine salt of glyphosate 53.8%
INERT INGREDIENTS: 46.2%

BACKGROUND:

Submitted Acute Inhalation Toxicity Study to support conditional registration of this product. The study was conducted by Monsanto Company. Data under EPA MRID No. 402011-01. The method of support was not indicated.

RECOMMENDATIONS:

1. FHB/TSS finds these data acceptable to support conditional registration of this product.
2. The appropriate Toxicity Category is III - CAUTION.

LABEL:

In regard to acute inhalation hazard the following, or similar, precautionary statement must appear on label: "May be harmful if inhaled. If inhaled, remove victim to fresh air. Seek medical attention."

REVIEW:

- (1) Acute Inhalation Toxicity Study: Monsanto Company;
Project ID EHL 86105; March 18, 1987.

PROCEDURE:

Five male and five female Sprague-Dawley rats were exposed for 4 hours to a mean analytical concentration of 1.3 mg/L. Mean aerodynamic diameter was 3.1 microns with a 1.9 geometric standard deviation. Mean chamber temperature and relative humidity reported to be 24 °C and 66 percent, respectively. Observations made for 14 days postexposure. Necropsy was performed on all animals.

RESULTS:

One out of five female rats died. Toxic signs reported included yellow/brown nasal discharge and focal and/or generalized loss of hair. No abnormalities reported at necropsy. The LC₅₀ was reported to be greater than 1.3 mg/L.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: III - CAUTION.