

US EPA ARCHIVE DOCUMENT

5-14-86



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

006062

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MAY 14 1986

MEMORANDUM

DATE: May 14, 1986

SUBJECT: EPA Registration Number: 34913-5  
Spra-Kil B-4

FROM: Deloris F. Graham *DFG 5/20/86*  
Technical Support Section  
Fungicide-Herbicide Branch  
Registration Division (TS-767C) *F 5/20/86*

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

Applicant: SSI Industries, Inc.  
P.O. Box 9276  
4711 Piedmont Road  
Huntington, WV 25704

ACTIVE INGREDIENT:  
Bromacil . . . . . 4.0%  
INERT INGREDIENTS: . . . . . 96.0%

BACKGROUND:

Submitted Acute Oral Toxicity Study to support oral LD50 on "Material Safety Data Sheet." Study conducted by Hazleton Laboratories America, Inc. Data not accessioned. Method of support not indicated.

RECOMMENDATION:

FHB/TSS finds these data acceptable to support acute oral LD50 on "Material Safety Data Sheet."

*154*

REVIEW:

- (1) Acute Oral Toxicity Study: Hazleton Laboratories America, Inc.; Project No. 2214-107; December 3, 1985.

PROCEDURE:

Three groups consisting of five male and five female rats each received one of the following doses: 5000, 7500, or 10,000 mg/kg of the test material. Observations made for 14 days post-dosing. Necropsy performed on all animals.

RESULTS:

At 10,000 mg/kg, 3/5 males and 4/5 females died. Toxic signs reported included depression, ataxia, urine stains, rough coat, soft feces, hunched, red stains on the nose and/or eyes, prostrate, tremors, lacrimation salivation, labored respiration and convulsions. Necropsy report revealed lungs - darkened; stomach - lining reddened, contained compound-like material; intestines - contained reddish fluid; stomach and intestines - distended; kidneys - pale in animals that died during study. No abnormalities at necropsy of survivors. LD<sub>50</sub> for males reported to be 9532 mg/kg with 95% confidence limits between 7640 and 11,893 mg/kg. LD<sub>50</sub> for females reported to be 8977 mg/kg with 95% confidence limits between 7412 and 10,874 mg/kg.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: IV - CAUTION.

MATERIAL SAFETY DATA SHEET

MANUFACTURER: SSI Industries, Inc.  
4711 Piedmont Road  
Huntington, WV 25704

Mobley Chemicals, Inc.  
3800 Stone Road  
Kilgore, TX 75662

006062

EMERGENCY TELEPHONE: Phone CHEMTREC toll free day or night 1-800-424-9300  
or call SSI Industries, Inc. 1-304-429-1371 or Mobley  
Chemicals, Inc. 1-214-984-0270

EFFECTIVE DATE: November 1985

PRODUCT NAME: SPRAKIL B-4 GRANULAR WEED KILLER OR WEED BLAST 4-H WEED KILLER

EPA REGISTRATION NUMBER 34913-5 or 26932-3

ACTIVE INGREDIENT: bromacil: 5-bromo-3-sec-butyl-6-methyluracil 4.00Z

INERT INGREDIENTS:

INERT INGREDIENT INFORMATION IS NOT INCLUDED

100.00Z

SECTION I - PHYSICAL DATA

APPEARANCE: Grayish white/light tan granular  
VAPOR PRESSURE: Negligible  
SOLUBILITY IN WATER: 815 ppmw at 25°C  
SPECIFIC GRAVITY: 1.55

SECTION II - HAZARDOUS INGREDIENT(S)

bromacil 4%

SECTION III - TOXICOLOGY

INGESTION: Single dose LD<sub>50</sub> (RAT) 7,500 mg/kg  
EYE CONTACT: Essentially non-irritating. May cause mechanical injury.  
SKIN CONTACT: Non-irritating. May cause mechanical injury.  
INHALATION: Does not present a hazard by the inhalation route since product is granular material.

SECTION IV - FIRST AID

EYES: Flush with large amounts of water and contact a physician if irritation develops.  
SKIN: Wash exposed areas with soap and water. Wash contaminated clothing before reuse.  
INHALATION: If discomfort occurs, move to fresh air. If breathing difficulty occurs, consult medical personnel.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.  
FIRE FIGHTING INFORMATION: Considered non-flammable. Do not allow water run-off from fire site to enter nearby streams, ponds or lakes.  
EXTINGUISHING MEDIA: Water

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3

**SECTION VI - REACTIVITY**

**UNDER NORMAL CONDITIONS:** Stable  
**CORROSIVENESS:** Non-corrosive

006062

**SECTION VII - SPILL OR LEAK PROCEDURES**

**SPILL OR LEAK PROCEDURES:** Clean up promptly. Do not flush with water. Pick up dry by sweeping or other effective means. Return undamaged material to original container. Place damaged unusable material in a landfill approved for pesticides in accordance with applicable regulations. If spill is near trees or other valuable plants, remove top two inches or soil after initial cleanup.

**SECTION VIII - TRANSPORTATION, STORAGE AND DISPOSAL**

**SUGGESTED DISPOSAL METHOD:** Dispose of in accordance with applicable local, state and/or federal regulations. Dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

**SECTION IX - TRANSPORTATION, STORAGE AND DISPOSAL**

**SPECIAL PRECAUTIONS:** Keep from contact with fertilizers, insecticides, fungicides and seeds. Keep out of reach of children.

**SECTION X - SPECIAL PROTECTION INFORMATION**

**SPECIAL PROTECTION:** None required.

4