

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
Spray-Kil B-4

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

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."

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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. LD₅₀ for males reported to be 9532 mg/kg with 95% confidence limits between 7640 and 11,893 mg/kg. LD₅₀ 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, WY 25704

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

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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 4Z

SECTION III - TOXICOLOGY

INGESTION: Single dose LD₅₀ (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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SECTION VI - REACTIVITY

UNDER NORMAL CONDITIONS: Stable
CORROSIVENESS: Non-corrosive

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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 of 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.