

US EPA ARCHIVE DOCUMENT

Date: November 13, 1985

006438

Applicant: EPA File Symbol: 748-ELN

Reg. Chem and Prod. Prevention Unit, Agency for

Chem. Subst. Control
1000 L Street, N.W.
Washington, D.C. 20460

Henry Jacoby
Product Manager (C)

Applicant: PPG Industries, Inc.
151 College St., P.O. Box 127
Springdale, PA 15144

Active Ingredients:

Bis (tributyltin) oxide (BTO) 0.50%

Solvent [mixture of (1,1,1-trichloro-2,2,2-trifluoroethane),
thio phthalimide] 0.50%

Inert Ingredients 98.90%

Background: Submitted Data (Acute Oral, Acute
Dermal, Acute Inhalation, Eye Irritation and
Primary Dermal Irritation Studies). Studies
conducted by Testes Laboratory. Studies under
accession number 254917. A Dermal Irritation
study was also submitted, data under accession number
255203. Method of support not indicated.
Although acute data was not received until November 13,
1985 however label was stamped acceptable March 15, 1985.

Recommendations:

USFWS/288 finds these data acceptable to
support conditional registration of the pesticide.
However for future submissions please note,
in the Primary Dermal Study individual scoring
for erythema and edema for all animals
at 24 and 72 hours after treatment must be submitted.

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INFORMATION WHICH MAY REVEAL AN INERT INGREDIENT IS NOT INCLUDED

Lesions: Two out of four male rabbits of the
1st group died. The other mortalities reported
by the reporter included languidness, pelvic
ataxia, inco, depressed respiration, cyanosis,
whole body tremors, epistaxis, myeloma,
convulsions, hunched posture, lacrimation,
anorexia, scratching and scratching up of abdomen,
near-lethargic immobility, conjunctivitis, ptosis,
hypermetria, vasculization, labored respiration in
1st group and [redacted] group. Slight
languidness, ataxia and mild diarrhoea were
the signs reported in uninfected control groups.
Moderate to marked capillary injection noted
in all three groups; moderate to severe myeloma
and slight to severe edema noted in 1st group
and [redacted] group. LD 50 reported to be
greater than 2.0 g/kg in 1st group and
[redacted] group.

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Study Classification: Low Hazard Data

Toxicity Category: III - (CAUTION)

(3) Acute Inhalation Toxicity Study: Rats Fed. Exposed;
Report 84-135; June 4, 1984.

Procedure: Five male and five female rats were exposed nasally for four hours to a geometric concentration of 96.2 mg/m³ (nose respiration at 302.5 mg) of the test material. Two other groups consisting of unexposed air each were treated in a similar manner as previously mentioned group except [redacted] on air only was used. Observations were made for 14 days after treatment exposure. Necropsy performed on all animals.

Results: The mortalities reported in all of the groups. Signs included slight respiratory distress, ataxia, nasal mucus and few respiratory secretions, slight sneezing, rales, slight hiccups in test group. Light coagulable to a soft consistency, slight white body hemorrhage in [redacted] group. Necropsy revealed moderate congestion, enlargement of adrenal glands and test group. [redacted] group palpable and the control group. Stomach in small intestine and blood stomach in [redacted] group used. Lung congestion and enlarged pulmonary bronchioles in all control groups also noted at necropsy.

Study Classification: Low Hazard Data

Toxicity Category: III - (CAUTION)

(4) Primary Irritant Inhalation Study: Beagle Dog
Report 84-135; June 4, 1984.

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Procedure: Nine New Zealand rabbits received 0.1 ml of the test material in the subconjunctival space. The treated eyes of three of the rabbits were observed with binoculars 20 to 30 minutes after treatment. Observations made according to the Federal Register, August 22, 1978, part II, p. 37360, 37361-4 and J. H. Deane's technique (1959).

Results: Report indicated some irritation in the subconjunctival space. One rabbit had a blood-tinged area at 24 and 30 hours after the test. Observations reported to have subsided by day 7.

Study Classification: Low Hazardous Data
 No irritation and no blood-tinged area at 24 and 30 hours post-treatment and to subconjunctival.

Priority Category: II - WARNING

Original Study: Biotech Laboratory; Report 84-155, June 9, 1984.

Procedure: Nine New Zealand rabbits received 0.1 ml of the test material in the eye. The treated eyes of three of the rabbits were observed with binoculars 20 to 30 minutes after treatment. Observations made according to the Federal Register, August 22, 1978, part II, p. 37360, 37361-4 and J. H. Deane's technique (1959).

Results: No eye irritation reported in any of the nine animals treated.

Study Classification: Low Hazardous Data

Priority Category: IV - CAUTION

(C) Personal Investigation Study: Guinea Subcutaneous
 Report 84-445, October 11, 1964, EM Number 225, 305

Procedure: Twenty guinea pigs, second strain of the host material, to which ~~the~~ dose was then injected in 1-inch square gauge and measured. Dose applied to guinea for 6-10 days. Applications during the induction phase were applied three times a week for three weeks. During one dose application. Two weeks after each dose, challenge dose was applied. Observations made at 6, 24, and 48 hours post-treatment.

Results: At 48 hours post-induction phase treatment 100 animals had slight reactions; at 24 hours, 12/20 had slight reactions. At 48 hours post-challenge dose phase treatment, 40% positive reactions; at 24 hours, 100% positive reactions; at 48 hours, 100% positive reactions. It was therefore concluded that this product is an irritant.

Study Classification: Can Guinea Water

Toxicity Category: Sensitizing

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R48-ECN

77-773

Water Repellant

Front Panel

Logo

Exterior

ACCEPTED
with COMMENTS
in EPA Letter Dated:

REZ® Stain & Wood Preservative

MAR 15 1985

Semi-Transparent - Oil

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticides
registered under EPA Reg. No.
748-250

Winter White 77-773

EPA Reg. No.

EPA Est. No.

Exceeds Federal Specifications TT-W-572B Paragraph 3.7 for
Water Repellancy

Active Ingredients:

Bis(tributyltin)oxide (TBTO)	0.50%
Folpet [n-([trichloromethyl]thio) phthalimide]	0.80%
Inert Ingredients	98.70%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN

WARNING!

See Back Panel For Additional Precautions

Net 1 Gallon/3.78 L

Back Panel

PRECAUTIONARY STATEMENT - HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

WARNING!

CONTAINS PETROLEUM DISTILLATE AND Bis(tributyltin)oxide and
Folpet [n-([trichloromethyl]thio)phthalimide]Harmful or fatal if swallowed; may be absorbed through skin.
Causes skin irritation. Avoid breathing vapor or spray mist. Do
not get in eyes, on skin, or on clothing.FIRST AID STATEMENT: If swallowed, do not induce vomiting. Call
a physician immediately. In case of contact, immediately flush
eyes or skin with plenty of water. Get medical attention if
irritation persists.Note: Wear goggles, rubber gloves, and protective clothing when
applying or handling treated lumber.

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Avoid applying in direct sun light or when surface temperature is below 60° F. (10° C). No thinning is usually required. If necessary, thin up to 25% with a 50/50 mixture of paint thinner and linseed oil. If applied by spray, stains must be back rolled or brushed to provide maximum substrate wetting and penetration to prevent premature failure. Stain effects may vary slightly in color on different species of wood. Test in a remote area before proceeding.

Drying: Normally dries in 2 to 4 hours at 77° F (25° C) and 50% Relative Humidity. May be recoated in 24 hours.

Clean-Up: Paint Thinner

Side Panel

Label Date Code: 20484

PPG Industries, Inc.
Coatings and Resins
Pittsburgh, PA 15272
(412) 434-3131

YOUR SATISFACTION IS GUARANTEED

PPG guarantees your satisfaction with this product. If you're not satisfied, simply return the unused portion of the product to the store where you bought it, with proof of purchase and the dealer will refund your purchase price or furnish you with replacement product whichever you prefer.

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ENVIRONMENTAL HAZARDS: Do not direct water or wetlands. Do not contaminate by use of equipment or disposal of wastes.

PHYSICAL/CHEMICAL HAZARDS: Keep away from heat, sparks or flame. Use with caution. Do not take internally. Close containers each.

STORAGE AND DISPOSAL: Secure original container in several layers of newspaper and dispose. Do not reuse container. Rinse thoroughly before disposal.

For Emergency Medical or Spill Action, (304) 843-1300.

Important: Spray equipment with due care and in accordance with manufacturer's recommendations. Spraying of any material can be hazardous. Wear eye protection, and protective clothing.

REZ® Stain -- Semi-Transparent

This semi-transparent stain protects wood and repels water. It exceeds the Federal Specification for water repellency, TT-W-572-B Paragraph 3.7.

REZ® stain enhances the natural beauty of wood and resists cracking, peeling, and the adverse effects of the sun's harmful rays. It will guard against wood rot and mildew growth on the stain.

Where to Use: Decks, porches, eaves, shakes, fencing, shingles, wood trim, stained wood surfaces. Do not use below, on previously painted wood surfaces, or on abraded surfaces.

Directions For Use:

It is a violation of federal law to use this product in a manner inconsistent with its label.

Coverage: Approx. 300 to 500 sq. ft. (27.7 to 46.5 sq.m) per gallon (3.78 L) depending on texture.

Surface Preparation: Surface must be free from dirt, saw dust, loose fibers, mildew, oil, stain, grease, and other surface contamination. Sand and spot prime all ferrous nails and fill voids. Putty and surface smooth, always with the grain. For bleeding, such as redwood or red cedar, which stains are not recommended.

Application: Stir thoroughly. Apply even coat by brush, pad, spray or roller. Apply to ends, cuts and edges.

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