

Microfiche No.		
0T80320644		
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New Doc I.D.	Old Doc I.D.	
86-890000605		
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Date Produced	Date Received	TSCA section
6/02/72	6/13/89	8D
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Submitting Organization		
SHERWIN WILLIAMS CO		
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HUNTINGDON RESEARCH CTR		
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Document Title		
ACUTE ORAL LD50 INVESTIGATION IN RATS OF COBRATEC TT 100 SAMPLE #5459 WITH COVER LETTER DATED 061289		
[Hatched]		
Chemical Category		
TOLYTRIAZOLE (29385-43-1)		



CONTAINS NO CBI

86-890000605

The Sherwin-Williams Company
101 Prospect Avenue, N.W.
Cleveland, Ohio 44115-1075

June 12, 1989

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THRU

~~86-890000626~~

Document Processing Center (Room L-100)
Office of Toxic Substances (TS-790)
Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460

ATTN: 8(d) Health and Safety Reporting Rule
(Notification/Reporting)

Dear Sir or Madam:

Re: 1,2,3-Benzotriazole - 95-14-7 &
Tolyltriazole - 29365-43-1

During the ten-year period prior to April 13, 1989, the Sherwin-Williams Company manufactured the subject chemicals. These chemicals were added to 40 CFR 716.120 by publication in the Federal Register of February 28, 1989. The Sherwin-Williams's Chemicals Division manufactured these chemicals at its Cincinnati site. This product line and facility was sold to the PMC Specialties Group, Inc., effective July 1, 1985. Therefore, Sherwin-Williams is not subject to reporting under the Preliminary Assessment Information Rule, 40 CFR 712.30.

In compliance with 40 CFR 716.30, Judith A. Tins, Administrator, Product Safety, Sherwin-Williams Company, 101 Prospect Avenue, N.W., Cleveland, OH 44115, (216) 566-2919 has performed a search of the Sherwin-Williams files for health and safety studies on these two chemicals. She is the person who has responsibility for compliance with the Toxic Substances Control Act (TSCA) and maintains this type of information.

We are enclosing copies of the applicable studies on the above referenced chemicals. The specific chemical tested is indicated on the face of each study.

For reference:

- BT is benzotriazole
- BT-D is an unknown grade of benzotriazole
- Cobratec 99 is benzotriazole
- TT is tolyltriazole
- Cobratec TT-100 is tolyltriazole
- Cobratec TT-50-S is a 50% solution in water of the sodium salt of tolyltriazole
- Cobratec TT-35-I is a 35% solution of tolyltriazole in isopropanol.

JUN 13 1989 12:58



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401 M Street, S.W.
Washington, D.C. 20460

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June 12, 1989

All unpublished studies that are known to Sherwin-Williams are in our possession, so we are not submitting any lists of studies as per 716.35, but are submitting copies of the actual studies. We have included a copy of a technical bulletin indicating physical and chemical properties of these two chemicals. We do not have copies of the tests to determine these properties.

I understand that this submission constitutes proper compliance with the 8(d) notice. If you have any questions about the enclosed materials, please contact the technical contact, Ms. Tins, at (216) 566-2919.

Submitted by:

John J. Gerulis, Director
Environmental, Health
and Regulatory Services
The Sherwin-Williams Company
101 Prospect Ave. N.W.
Cleveland, OH 44115-1075
(216) 566-2239

JJG/ct

Attach.

cc: J. A. Tins

~~CONFIDENTIAL~~ ^{ms}

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Tolyltriazole
293 85-43-1

723-222

ny: DC
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643

CORRECTED COPY

ACUTE ORAL LD₅₀ INVESTIGATION
IN RATS OF

COBRATEC TT 100 SAMPLE NO. 5459

EPA-OTS



000657905W

86-890000 605

The Sherwin-Williams Company
Toledo Laboratory
1310 Expressway Drive
Toledo, Ohio 43608

Gareth Owen, Ph.D
Huntingdon Research Center
Post Office Box 6857
Baltimore, Maryland 21204

SUMMARY

An acute oral LD50 investigation was made in rats using Cobratec TT 100 Sample No. 5459. The LD50 was 675 mg/kg with 95% confidence limits of 535-851 mg/kg.



Gareth Owen, Ph.D
Director,
Toxicology and Pharmacology
Huntingdon Research Center

June 2, 1972

mr

INTRODUCTION

Cobratec TT 100 Sample No. 5459 was evaluated for oral LD₅₀ determination in rats.

METHOD

Cobratec TT 100 Sample No. 5459 was administered orally in graduated doses to 4 groups of 10 rats. Five males and five females in each group. They were observed for 14 days.

RESULTS

mg/kg	Day of Death		Total Dead Total on Test
	0	1	
1001	10/10	-	10/10
795	6/10	1/10	7/10
632	1/10	2/10	3/10
502	3/10	-	3/10

LD₅₀ DETERMINATION

An LD₅₀ value was calculated from these data by the method of Litchfield and Wilcoxon*. This procedure yields a value of 675 mg/kg. The 95% confidence limits were 504-775 mg/kg.

* Litchfield, J.T. and Wilcoxon, F.J., Pharmacol. Exptl. Therap. 96, 99, 1949.

CERTIFICATE OF AUTHENTICITY

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