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Canadian Centre for Occupational Health and Safety

**RTECS** Registry of Toxic Effects of Chemical Substances®

Data source: MDL Information Systems, Inc.

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REFRESH RECORD

## CHEMICAL IDENTIFICATION

<b>RTECS Number</b>	DE4620000
<b>Chemical Name</b>	1,2-Benzisothiazol-3(2H)-one
<b>CAS Registry Number</b>	2634-33-5
<b>Last Updated</b>	200505
<b>Data Items Cited</b>	11
<b>Molecular Formula</b>	C7-H5-N-O-S
<b>Molecular Weight</b>	151.19
<b>Wiswesser Line Notation</b>	T56 BSMVJ

**Compound Descriptor**    Drug  
                                   Hormone  
                                   Mutagen  
                                   Human  
                                   Primary Irritant

**Synonyms/Trade Names**

1,2-Benzisothiazolin-3-one  
 Benzisothiazolin-3-one  
 Proxel PL  
 Proxel XL 2

**HEALTH HAZARD DATA****SKIN/EYE IRRITATION DATA**

Type of Test	Route of Exposure	Species Observed	Dose Data	Reaction Severity	Reference
Standard Draize test	Administration onto the skin	Human	1%/1H		ADVEA4 Acta Dermato-Venereologica. (Almqvist & Wiksell, POB 45150, S-10430 Stockholm, Sweden) V.1- 1920- Volume(issue)/page/year: 11,146,1984
Standard Draize test	Administration onto the skin	Human	5%/48H	Mild	CODEDG Contact Dermatitis. Environmental and Occupational Dermatitis. (Munksgaard International Pub., c/o Publications Expediting Inc., 200 Meacham Ave., Elmont, NY 11003) V.1- 1975- Volume(issue)/page/year: 7,145,1981

**ACUTE TOXICITY DATA**

Type of Test	Route of Exposure	Species Observed	Dose Data	Toxic Effects	Reference
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LD50 - Lethal dose, 50 percent kill	Oral	Rodent - rat	1020 mg/kg	Details of toxic effects not reported other than lethal dose value	PLRCAT Pharmacological Research Communications. (Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1- 1969- Volume(issue)/page/year: 3,385,1971
LD50 - Lethal dose, 50 percent kill	Oral	Rodent - mouse	1150 mg/kg	Details of toxic effects not reported other than lethal dose value	PLRCAT Pharmacological Research Communications. (Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1- 1969- Volume(issue)/page/year: 3,385,1971

#### OTHER MULTIPLE DOSE TOXICITY DATA

Type of Test	Route of Exposure	Species Observed	Dose Data	Toxic Effects	Reference
TDL <sub>o</sub> - Lowest published toxic dose	Administration onto the skin	Rodent - mouse	10 pph/3D (intermittent)	Blood - other changes Skin and Appendages - cutaneous sensitization, experimental (after topical exposure) Immunological Including Allergic - increase in cellular immune response	CODEDG Contact Dermatitis. Environmental and Occupational Dermatitis. (Munksgaard International Pub., c/o Publications Expediting Inc., 200 Meacham Ave., Elmont, NY 11003) V.1- 1975- Volume(issue)/page/year: 25,172,1991

#### MUTATION DATA

Type of Test	Route of Exposure	Species Observed	Dose Data	Reference
DNA damage		Human Ascites tumor	1 mg/L/2H	FCTOD7 Food and Chemical Toxicology. (Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523) V.20- 1982- Volume(issue)/page/year: 42,1323,2004

## U.S. STANDARDS AND REGULATIONS

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION  
FEREAC Federal Register. (U.S. Government Printing Office, Supt. of Documents,  
Washington, DC 20402) V.1- 1936- Volume(issue)/page/year: 54,7740,1989

EPA FIFRA 1998 STATUS OF PESTICIDES: Supported  
RBREV\* Status of Pesticides in Registration, Reregistration, and Special Review  
(Rainbow Report), Special Review and Reregistration Division Office of Pesticide  
Programs U.S. Environmental Protection Agency, 401 M. Street, S.W., Washington,  
D.C. 20460, Spring 1998 Volume(issue)/page/year: -,238,1998

## STATUS IN U.S.

EPA TSCA Section 8(b) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

## END OF RECORD

RTECS® is provided quarterly by MDL Information Systems, Inc. and was last  
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