

**BIT RED**

## **VI. APPENDICES**

## Appendix A: Use Patterns Eligible for Reregistration

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
<b>Residential and public access premises</b>				
Laundry Detergent (Residential)	Soluble Concentrate 1258-1284 67071-29 67071-45 80285-1	Used in Manufacturing	0.10 to 0.30% by weight	None on Label
	Ready to Use 1258-1289 49403-14 67071-22 67071-23	Used in Manufacturing	0.10 to 0.30% by weight	None on Label
Household Cleaning Products	Soluble Concentrate 1258-1284 67071-22 67071-23 67071-29 67071-45 80285-1	Used in Manufacturing	0.10 to 0.30% by weight	None on Label
	Ready to Use 1258-1289 70465-3	Used in Manufacturing	0.10 to 0.30% by weight	None on Label

<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
Car Care Products	Soluble Concentrate 1258-1284 67071-22 67071-23 67071-29 67071-45 68575-2 80285-1	Used in Manufacturing	0.10 to 0.30% by weight	None on Label
	Ready to Use 1258-1289	Used in Manufacturing	0.10 to 0.30% by weight	None on Label
House Products (wax, polishes, inks)	Ready to Use 3997-39	Used in Manufacturing	500 to 8,000 ppm	None on Label
	Soluble Concentrate 67071-29 67071-45	Used in Manufacturing	6 to 150 ppm	None on Label
<b>Materials preservatives</b>				
Coatings	Ready to Use 5383-107	Used in Manufacturing	0.05 to 0.5% no to exceed 0.5% by weight	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
	Soluble Concentrate 49403-28 80285-1 80285-2 80285-3	Used in Manufacturing	0.05 to 0.5% no to exceed 0.5% by weight	None on Label

<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
Building Materials	Soluble Concentrate 67071-22 67071-23 67071-24 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Ready to Use Solution 67071-25	Used in Manufacturing	1 to 5 lbs per 1,000 lbs of product	None on Label
Polymer Latices	Soluble Concentrate 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
	Ready to Use Solutions 1258-1260 1258-1289 49403-14 49403-26 49403-28 67071-25	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label

<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
Adhesives (Aqueous-Based)	Ready-to-Use Solution 1258-1255 1258-1260 49403-14 49403-26	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
	Soluble Concentrate 1258-1256 1258-1262 1529-34 1529-39 5383-111 49403-28	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
Tackifiers	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
Paints and Stains	Soluble Concentrate 1258-1248 1258-1284 1258-1289 49403-28 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.10 to 0.30% by weight	None on Label
	Ready to Use 5383-107 39967-39 67071-25 70465-3	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%; alternatively, 500 to 4,000 ppm.	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
Aqueous Industrial Chemicals (Reagents/Oil-in-Water Emulsions/Emulsion Paints/Photographic Emulsion Preservative/)	Soluble Concentrate 1258-1248 1258-1256 1258-1262 1258-1284 1529-34 1529-39 5383-111 49403-27 49403-28 67071-22 67071-23 67071-24 67071-29 67071-45	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
Joint Compounds	Soluble Concentrate 1258-1248 1258-1262 1258-1284 1529-34 1529-39 5383-111	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
	Ready-to-Use Solution 1258-1255 1258-1260 1258-1289 5383-107 39967-39	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight  alternatively, 2,000 to 4,000 ppm	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
Mineral Slurries (Titanium Dioxide)	Soluble Concentrate 1258-1248 1258-1262 1258-1284 1258-1289 1529-34 1529-39 5383-111 49403-28 67071-22 67071-23 67071-24 67071-29 67071-45	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
Mineral Slurries (Titanium Dioxide)	Ready-to-Use Solution 1258-1255 1258-1260 5383-107 49403-26 67071-25	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label



<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
For Use in Food Contact and Non-contact Paper	Flowable Concentrate 6836-307	Used in Manufacturing	0.05% to 0.3%	None on Label
Ink (fount solution)	Soluble Concentrate 1258-1248 1258-1284 5383-111 49403-28 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Dyes	Ready to Use 1258-1289 5383-107 67071-25	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label

<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
	Soluble Concentrate 1258-1248 1258-1284	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Pigment Dispersions	Soluble Concentrate 1258-1248 1258-1284 67071-22 67071-23 67071-24 67071-29 67071-45	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Ready to Use 1258-1289 39967-39 67071-25	Used in Manufacturing	500 to 8,000 ppm	None on Label
Casein/Rosin Dispersions	Ready-to-Use Solution 1258-1255 1258-1260 49403-14 49403-26 67071-25	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
	Soluble Concentrate 1529-39 5383-111 67071-22 67071-23 67071-24 67071-29 67071-45	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
Textile Spin-Finish Solutions	Ready-to-Use Solution 1258-1255 1258-1260 5383-107 49403-14 49403-26 67071-25	Used in Manufacturing	0.05% to 0.5% by weight not to exceed 0.5%	None on Label
Textile Spin-Finish Solutions	Soluble Concentrate 1258-1256 1258-1262 1529-34 1529-39 5383-111 49403-28 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
Aqueous Slurries	Ready-to-Use Solution 1258-1255 1258-1260 1258-1289 1529-39 67071-25 70465-3	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
Aqueous Slurries	Soluble Concentrate 1258-1262 1258-1284 1529-34 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5%	None on Label
Leather Processing Solutions	Ready-to-Use Solution 1258-1255 1258-1289 67071-25	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
Leather Processing Solutions	Soluble Concentrate 1258-1262 1258-1284 1529-34 1529-39 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
Fresh Animal Hides and Skins	Ready-to-Use Solution 1258-1255 1258-1289 1529-39 67071-22 67071-23 67071-24 67071-29 67071-45	Used in Manufacturing	0.06 to 0.5% by weight not to exceed 0.5%	None on Label
	Soluble Concentrate 80285-1 80285-2 80285-3	Used in Manufacturing	2 to 48 lbs per 1,000 lbs of skins	None on Label
Cutting Oils	Soluble Concentrate	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label

Use Site	Formulation & Product Registration Number	Method of Application	Application Rate/ No. of Applications	Use Limitations
	1258-1256			
Paper Coating Compositions	Soluble Concentrate 1258-1256 1258-1284 1258-1289 49403-28	Used in Manufacturing	0.05 to 0.5% by weight not to exceed 0.5%	None on Label
	Flowable Concentrates 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
	Ready to Use 49403-26	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Adhesives	Soluble Concentrate 1258-1284 5383-111 67071-22 67071-23 67071-24 67071-29 67071-45 80285-1 80285-2 80285-3	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Ready to Use 1258-1289 5383-107 39967-39 70465-3	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight alternatively, 500 to 8,000 ppm	None on Label

<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
Metal Working Fluids	Ready to Use 5383-107 39967-39 70465-3	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight.  Alternatively, 500 to 4,000 ppm	None on Label
	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
	Soluble Concentrate 5383-111 49403-28	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Thickeners	Ready to Use 5383-107	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Soluble Concentrate 5383-111 49403-28	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Plasters	Ready to Use 5383-107	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Caulks	Ready to Use 5383-107	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Soluble Concentrate 5383-111	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Sealants	Ready to Use 5383-107	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
	Soluble Concentrate 5383-111 49403-28	Used in Manufacturing	0.05% to 0.5% not to exceed 0.5% by weight	None on Label
Starch Solutions	Soluble	Used in	0.05% to 0.5% not to exceed	None on Label

<b>Use Site</b>	<b>Formulation &amp; Product Registration Number</b>	<b>Method of Application</b>	<b>Application Rate/ No. of Applications</b>	<b>Use Limitations</b>
	Concentrate 5383-111	Manufacturing	0.5% by weight	
Surfactant Solution	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
Aqueous Gels	Flowable Concentrate 6836-306	Used in Manufacturing	0.05% to 1%	None on Label
Printing Fluids	Ready to Use 39967-39	Used in Manufacturing	10 to 2,000 ppm	None on Label
Oil Recovery Systems	Soluble Concentrate 67071-22 67071-23 80285-1 80285-2 80285-3	Used in Manufacturing	0.05 to 0.15% based on fluid weight or 1.5 to 4.5% based on polysaccharide weight	None on Label
Drilling Fluids	Read to Use Solution 70465-3	Used in Manufacturing	0.05 to .025% of weight of finished product	None on Label
Paperboard	Ready to Use 70465-3	Used in Manufacturing	Solution 0.05 to 0.25% of weight of finished product	None on Label
Pulp and Paper Mills Systems	80285-1 80285-2 80285-3	Shock Dosing recommended	5 to 18 ounces for each ton of paper produced per day	None on Label



## **Appendix B. Table of Generic Data Requirements and Studies Used to Make the Reregistration Decision**

### **Guide to Appendix B**

Appendix B contains listing of data requirements which support the reregistration for active ingredients within case #3026 (BIT) covered by this RED. It contains generic data requirements that apply to BIT in all products, including data requirements for which a “typical formulation” is the test substance.

The data table is organized in the following formats:

1. Data Requirement (Columns 1 & 2). The data requirements are listed in the order in which they appear in 40 CFR part 158. The reference numbers accompanying each test refer to the test protocols set in the Pesticide Assessment Guidance, which are available from the National technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (703) 487-4650.
2. Guideline Description (Column 3). Identifies the guideline type.
3. Use Pattern (Column 4). This column indicates the standard Antimicrobials Division use patterns categories for which the generic (not product specific) data requirements apply. The number designations are used in Appendix A.
  - (1) Agricultural premises and equipment
  - (2) Food handling/ storage establishments premises and equipment
  - (3) Commercial, institutional and industrial premises and equipment
  - (4) Residential and public access premises
  - (5) Medical premises and equipment
  - (6) Human water systems
  - (7) Materials preservatives
  - (8) Industrial processes and water systems
  - (9) Antifouling coatings
  - (10) Wood preservatives
  - (11) Swimming pools
  - (12) Aquatic areas

4. Bibliographic Citation (Column 5). If the Agency has acceptable data in its files, this column list the identify number of each study. This normally is the Master Record Identification (MRID) number, but may be a “GS” number if no MRID number has been assigned. Refer to the Bibliography appendix for a complete citation of the study.

New Guideline Number	Old Guideline Number	Requirement	Use Pattern	Bibliographic Citation(s)
<b>PRODUCT CHEMISTRY</b>				
830.1550	61-1	Product Identity and Composition	1-12	44981602, 41710601
830.1600	61-2 A	Description of Starting Material	1-12	44981602,
830.1620	61-2 B	Description of Production Process	1-12	44981602
830.1670	61-3	Discussion of Formation of Impurities	1-12	44981602
830.1700	62-1	Preliminary Analysis	1-12	44981602, 41710601
830.1750	62-2	Certified Limits	1-12	44981602
830.1800	62-3	Enforcement of Analytical Method	1-12	44981602
830.6302	63-2	Color	1-12	44981602, 41927501
830.6303	63-3	Physical State	1-12	44981602, 41927501
830.7100	63-18	Viscosity	1-12	44981602
830.6314	63-14	Oxidation/Reduction	1-12	44981602
830.6304	63-4	Odor	1-12	44981602, 41927501
830.6313	63-13	Stability	1-12	44981602
830.7000	63-12	pH	1-12	44981602, 41927501
830.7200	63-5	Melting Point	1-12	44981602, 41927501
830.7300	63-7	Density	1-12	44981602, 41927501

New Guideline Number	Old Guideline Number	Requirement	Use Pattern	Bibliographic Citation(s)
830.7550/ 7560/757 0	63-11	Partition Coefficient	1-12	44981602, 41927501
830.6315	63-15	Flammability	1-12	44981602
830.6316	63-16	Explodability	1-12	44981602
830.6317	63-17	Storage Stability	1-12	44981602
830.7370	63-10	Dissociation Constant	1-12	44981602, 41927501
830.6319	63-19	Miscibility	1-12	44981602
830.7840/ 7860	63-8	Water Solubility	1-12	44981602, 41927501
830.7950	63-9	Vapor Pressure	1-12	44981602, 41927501
830.6320	63-20	Corrosion Characteristics	1-12	44981602
830.6321	63-21	Dielectric Breakdown Voltage	1-12	44981602
<b>ECOLOGICAL EFFECTS</b>				
850.2100	71-1A	Avian Acute Oral Toxicity – Quail/Duck	1-12	40991301
850.2200	71-2A	Avian Acute Dietary Toxicity - Quail	1-12	41732001
850.1075	72-1A/C	Freshwater Fish Acute Toxicity - Bluegill or Rainbow Trout	1-12	41687101,45534602
850.1010	72-2A	Freshwater Invertebrate Acute Toxicity - Daphnid	1-12	42949001,45534601

New Guideline Number	Old Guideline Number	Requirement	Use Pattern	Bibliographic Citation(s)
850.1075	72-3A	Estuarine/Marine Toxicity - Fish	1-12	42945001
850.1055	72-3B	Estuarine/Marine Toxicity - Mollusk	1-12	42952401
850.1035	72-3C	Estuarine/Marine Toxicity - Shrimp	1-12	42949002
<b>TOXICOLOGY</b>				
870.1100	81-1	Acute Oral Toxicity-Rat	1-12	42858101, 41022101
870.1200	81-2	Acute Dermal Toxicity-Rabbit/Rat	1-12	42858102, 41022102
870.1300	81-3	Acute Inhalation Toxicity-Rat	1-12	42905103
870.2400	81-4	Primary Eye Irritation-Rabbit	1-12	42905102
870.2500	81-5	Primary Skin Irritation	1-12	42905101
870.2600	81-6	Dermal Sensitization	1-12	41750001, 42858103
870.3100	82-1A	90-Day Feeding - Rodent	1-12	41910401, 46346201
870.3150	82-1B	90-Day Feeding - Non-rodent	1-12	42205701
870.3250	82-3	90-Day Subchronic Dermal (does not need to be satisfied if 870.3465 is satisfied)	1-12	45184601

New Guideline Number	Old Guideline Number	Requirement	Use Pattern	Bibliographic Citation(s)
870.3465	82-4	90-day Subchronic Inhalation Toxicity Test-Rat (does not need to be satisfied if 870.3250 is satisfied)	1-12	
870.3700	83-3A	Developmental Toxicity - Rat	1-12	42858104, 40961201, 43663008
870.3700	83-3B	Developmental Toxicity - Rabbit	1-12	
870.5265	84-2A	Gene Mutation (Ames Test)	1-12	42858105, 41022103
870.5300	84-2B	Detection of Gene Mutations in Somatic Cells (CHO)	1-12	42858105, 41022103
870.5395	84-2	Mouse Micronucleus Assay	1-12	41022104, 42858106
870.5550	84-4	Other Genotoxic Effects	1-12	42858107, 41022105
870.7485	85-1	Metabolism and Pharmacokinetics	1-12	45124901
875.2400/ 2900	133-3	Dermal Passive Dosimetry Expo.	1-12	Reserved
875.2500/ 875.2900	133-4	Inhalation Passive Dosimetry Expo.	1-12	Reserved
<b>ENVIRONMENTAL FATE</b>				
860.1100	171-2	Chemical Identity	1-12	41710601
835.2120	161-1	Hydrolysis	1-12	41199101

## Appendix C. Technical Support Documents

Additional documentation in support of this RED is maintained in the OPP docket, located in room 119, Crystal Mall #2, 1801 Bell St., Arlington, VA 22202. It is open Monday through Friday, excluding legal holidays, from 8:30 AM to 4:00 PM.

The docket initially contained preliminary risk assessments and related documents as of April 28, 2004. Sixty days later the first public comment period closed. The EPA then considered comments and revised the risk assessments.

All documents, in hard copy form, may be viewed in the OPP docket room or downloaded or viewed via the Internet at the following site: <http://www.epa.gov/edockets>

These documents include:

1. 1,2-Benzisothiazolin-3-one (BIT) Risk Assessment, July 12, 2005
2. Dietary Risk Assessment of 1,2-Benzisothiazolin-3-one (BIT) for Reregistration Eligibility Decision (RED) Document, July 19, 2004
3. Human Exposure Assessment for a Reregistration Submission for 1,2-Benzisothiazolin-3-one (BIT), July 11, 2005
4. Environmental Fate Science Chapter for 1,2- Benzisothiazolin-3-one (BIT), July 12, 2005
5. Environmental Risk Assessment and Characterization - 1,2-Benzisothiazolin-3-one (BIT), July 7, 2005
6. 1,2-Benzisothiazolin-3-one (BIT) Product Chemistry Chapter, July 12, 2005
7. 1,2-Benzisothiazolin-3-one (BIT)-Revised Report of the Antimicrobials Division's Toxicology Endpoint Selection Committee (ADTC), April 22, 2005

**Appendix D. Citations Considered to be Part of the Data Base Supporting the Reregistration Decision (Bibliography)**

**830.1550 (61-1) Chemical Identity**

MRID	Citation Reference
134055	Imperial Chemical Industries Ltd. (1970) ?Chemistry of Proxel PL . (Compilation; unpublished study received Feb 23, 1971 under 0H2547; CDL:221692-A)
40157601	Chevron Chemical Co. (1987) Product Identity and Composition: Ana- lysis and Certification of Product Ingredients: [Ortho-Mite In- secticidal Soap]: Laboratory Project ID: 8703674. Unpublished study. 15 p.
40691101	Troy Chemical Corp. (1988) Product Chemistry: Troysan Polyphase RG-1. Unpublished compilation prepared by Troy Chemical Corp. 16 p.
40950601	Nipa Laboratories, Inc. (1988) Product Chemistry: Nipacide CR: Nipa-1988-A. Unpublished study. 20 p.
40950701	Nipa Laboratories, Inc. (1988) Product Chemistry (Nipacide X (17% Solution): NIPA-1988-A. Unpublished study. 18 p.
40994501	Feldberg, B. (1988) Proxel DL: Product Chemistry. Unpublished study prepared by ICI Americas Inc. 9 p.
41635401	Burt, M. (1990) Proxel GXL Industrial Microbiostat: Confidential Statement of Formulation and MSDS on Inerts: Lab Project Number: 10182-30-9-6-90. Unpublished study prepared by ICI Americas Inc. 7 p.
41635501	Burt, M. (1990) Proxel DL Industrial Microbiostat Confidential Statement of Formulation and MSDS on Inerts: Lab Project Number: 182-265-9-6-90. Unpublished study prepared by ICI Americas Inc. 27 p.
41635601	Burt, M. (1990) Proxel BD Industrial Microbiocide Confidential Statement of Formulation and MSDS on Inerts: Lab Project Number: 10182-1-9-6-90. Unpublished study prepared by ICI Americas Inc. 26 p.
41710601	Evans, K. (1990) Proxel Press Paste: Chemical Characterisation of Material: Representative of Huddersfield Works Manufacture: Lab Project Number: 144. Unpublished study prepared by ICI Colours and Fine Chemicals. 84 p.
41893901	Burt, M. (1991) Proxel BD Industrial Microbiocide: Lab Project Number: 10182-1-5-16-91. Unpublished study prepared by ICI Americas Inc. 10 p.
41902701	Burt, M. (1991) Proxel DL Industrial Microbiostat: Lab Project Num- ber:

- 10182-265-5-16-91. Unpublished study prepared by ICI Americas Inc. 9 p.
- 41954401 Burt, M. (1991) Proxel Press Paste: Confidential Statement of Formula and Certification of Limits: Lab Project Number: 10182-6-91- 1. Unpublished study prepared by ICI Americas Inc. 8 p.
- 42569801 Burt, M. (1992) Proxel MX Preservative: Product Chemistry: Lab Project Number: 10182-MX-1. Unpublished study prepared by ICI Americas Inc. 8 p.
- 42780201 Nipa Laboratories, Inc. (1993) Product Chemistry: Product Identity and Disclosure of Ingredients, Description of Beginning Materials and Manufacturing Process and Discussion of Formation of Impurities for NIPA BIT Press Paste. Unpublished study. 180 p.
- 42967101 Mahoney, D. (1993) End-Use Product Chemistry Data: NUOSEPT 495 Preservative: Lab Project Number: LDR 93-2712-2501-001. Unpublished study prepared by Huls America Inc. 60 p.
- 43229801 Pierce, J. (1994) PARADYME Preservative Confidential Statement of Formula: Lab Project Number: PARA-4. Unpublished study prepared by ZENECA Inc. 8 p.
- 43489501 Burt, M. (1994) Proxel BD 20: Confidential Statement of Formula: Lab Project Number: BD 20-3. Unpublished study prepared by Zeneca Inc. 8 p.
- 43542901 Burt, M. (1995) Revised PARADYME Preservative: Confidential Statement of Formula: Lab Project Number: PARA-4-A. Unpublished study prepared by Zeneca, Inc. 8 p.
- 43586001 Burt, M. (1995) Purified Proxel Press Paste Confidential Statement of Formula: Lab Project Number: P4-2. Unpublished study prepared by Zeneca, Inc. 8 p.
- 43596001 Burt, M. (1995) PROXEL XL 2: Confidential Statement of Formula: Product Identity and Disclosure of Ingredients: Certification of Ingredient Limits: Lab Project Numbers: PROJECT XL 2-3: XL 2-3. Unpublished study prepared by Zeneca, Inc. 8 p.
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**830.1600/1620 (61-2) Description of Beginning Materials and Manufacturing Processes**

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- 45746201 Vulcan, D. (2002) Product Chemistry: Palene 710-C: Lab Project Number: 54736-032. Unpublished study prepared by Lockwood Laboratories. 12 p. {OPPTS 830.1000}
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**830.1670 (61-3) Discussion of Formation of Impurities**

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40994501	Feldberg, B. (1988) Proxel DL: Product Chemistry. Unpublished study prepared by ICI Americas Inc. 9 p.
42569802	Burt, M. (1992) Proxel MX Preservative Discussion of Formation of Impurities: Lab Project Number: 10182-MX-2. Unpublished study prepared by ICI Americas Inc. 4 p.
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- 45026001 Subramaniam, C. (1999) End-Use Product Chemistry Data for Nuosept 485 Preservative. Unpublished study prepared by Creanova, Inc. 55 p. {OPPTS 830.1550, 830.1620, 830.1750, 830.1670, 830.1650}
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830.1750, 830.1800, 830.6303, 830.6302, 830.6304, 830.7300, 830.7000, 830.6314, 830.6315, 830.6316, 830.6317, 830.7100, 830.6319, 830.6320, 830.6321}

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**830.1700 (62-1) Preliminary Analysis**

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**830.1750 (62-2) Certification of limits**

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40157601	Chevron Chemical Co. (1987) Product Identity and Composition: Analysis and Certification of Product Ingredients: [Ortho-Mite Insecticidal Soap]: Laboratory Project ID: 8703674. Unpublished study. 15 p.
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**830.6300 (63-0) Reports of Multiple phys/chem Characteristics**

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**830.6302 (63-2) Color**

<b>MRID</b>	<b>Citation Reference</b>
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44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
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46460303	Klein, S. (2004) Product Chemistry Data: Sanitized Brand TB 83-35 DM. Project Number: TB/83/35. Unpublished study prepared by Sanitized AG. 5 p.
46527401	Troy Chemical Corporation (2005) Mergal BIT Paste: Product Chemistry Data. Project Number: TCCBIT70REG2005, ANM/296. 25 p.
46528001	Troy Chemical Corporation (2005) Mergal BIT 20: Product Chemistry Data. Project Number: TCCBIT20REG2005, ANM/213A. 30 p.
46565901	Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6303 (63-3) Physical State**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
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46565901 Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6304 (63-4) Odor**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
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46565901	Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.7200 (63-5) Melting Point**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.

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**830.7300 (63-7) Density**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
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45076004	Tognucci, A. (2000) Density, pH and Viscosity of Acticide BW20: Lab Project Number: 9906-BR-63.5: 712585. Unpublished study prepared by RCC Ltd. 24 p.
45086902	Thomas, J. (2000) Determination of Specific Gravity for Nipacide BFW: Lab Project Number: NBFW/SG001. Unpublished study prepared by NIPA Laboratories Ltd. 9 p.
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45444706	Coscia, A.; Reub, B. (2000) Density/Specific Gravity of Acticide MBS: Lab Project Number: 0010-BR-63/7. Unpublished study prepared by Thor GmbH. 12 p. {OPPTS 830.7300}
45553402	Sloan, R. (2001) Dantoserve--Chemical and Physical Properties: Lab Project Number: SP-01055-A. Unpublished study prepared by Lonza, Inc. 23 p. {OPPTS 830.6315, 830.7000, 830.7100, 830.7300}

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46565901 Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.7840/7860 (63-8) Solubility**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
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**830.7950 (63-9) Vapor Pressure**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
42780204	Anthony, C. (1993) Product Chemistry: Vapor Pressure, Octanol/Water Partition Coefficient and Stability (Sensitivity to Sunlight): NIPA BIT Press Paste: Lab Project Number: 04344. Unpublished study prepared by Case Consulting Labs, Inc. 32 p.
44051201	Macnab, J. (1996) Determination of Vapour Pressure of Proxel XL 2: Lab Project Number: PC/138. Unpublished study prepared by Zeneca Process Technology. 12 p.
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**830.7370 (63-10) Dissociation Constant**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
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**830.7550/7560/7570 (63-11) Oct/Water partition Coef.**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
42780204	Anthony, C. (1993) Product Chemistry: Vapor Pressure, Octanol/Water Partition Coefficient and Stability (Sensitivity to Sunlight): NIPA BIT Press Paste: Lab Project Number: 04344. Unpublished study prepared by Case Consulting Labs, Inc. 32 p.
43584001	Polson, G. (1994) Physical and Chemical Properties of 1,2-Benzisothiazol-3(2H)-One (sic) (BIT): Lab Project Number: 9-94B02BIT. Unpublished study prepared by Olin Central Analytical Labs. 94 p.
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
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**830.7000 (63-12) pH**

<b>MRID</b>	<b>Citation Reference</b>
41927501	Williams, D. (1991) Physical/Chemical Characteristics of Proxel Press Paste: Lab Project Number: 175. Unpublished study prepared by ICI Specialists. 54 p.
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
44982504	Tognucci, A. (1999) Density, pH and Viscosity of Acticide B20: Lab Project Number: 9904-BR-63.5: 712574. Unpublished study prepared by Environmental Chemistry RCC Ltd. and Pharmanalytics Division. 24 p.
45075604	Tognucci, A. (2000) Density, pH and Viscosity of Acticide BW10: Lab Project Number: 9907-BR-63.5: 712563. Unpublished study prepared by RCC Ltd. 23 p.
45076004	Tognucci, A. (2000) Density, pH and Viscosity of Acticide BW20: Lab Project Number: 9906-BR-63.5: 712585. Unpublished study prepared by RCC Ltd. 24 p.
45086903	Thomas, J. (2000) Determination of pH for Nipacide BFW: Lab Project Number: NBFW/PH001. Unpublished study prepared by NIPA Laboratories Ltd. 6 p.
45100703	Thomas, J. (2000) Determination of pH for Nipacide CBX: Lab Project Number: NCBX/PH001. Unpublished study prepared by NIPA Laboratories Ltd. 6 p.
45444704	Coscia, A.; Reub, B. (2000) pH of Acticide MBS: Lab Project Number: 0010-BR-63/12. Unpublished study prepared by Thor GmbH. 11 p. {OPPTS 830.7000}
45553402	Sloan, R. (2001) Dantoserive--Chemical and Physical Properties: Lab Project Number: SP-01055-A. Unpublished study prepared by Lonza, Inc. 23 p. {OPPTS 830.6315, 830.7000, 830.7100, 830.7300}
46043901	Blake, J. (1995) Proxel DL - Physical/Chemical Characterisation Tests to Support US EPA Registration. Project Number: PROJECT/501962, RD012135B, 501962. Unpublished study prepared by Zeneca Specialties. 27 p.
46527401	Troy Chemical Corporation (2005) Mergal BIT Paste: Product Chemistry Data. Project Number: TCCBIT70REG2005, ANM/296. 25 p.

- 46528001 Troy Chemical Corporation (2005) Mergal BIT 20: Product Chemistry Data. Project Number: TCCBIT20REG2005, ANM/213A. 30 p.
- 46565901 Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6313 (63-13) Stability**

<b>MRID</b>	<b>Citation Reference</b>
42780204	Anthony, C. (1993) Product Chemistry: Vapor Pressure, Octanol/Water Partition Coefficient and Stability (Sensitivity to Sunlight): NIPA BIT Press Paste: Lab Project Number: 04344. Unpublished study prepared by Case Consulting Labs, Inc. 32 p.
42908201	Brennan, A. (1993) Proxel Press Paste: Data for EPA Re-Registration: Stability to Metals and Metal Ions: Lab Project Number: 249. Unpublished study prepared by Zeneca Specialities, Analytical Sciences Group. 11 p.
42943401	Comber, M.; Roberts, G.; Woods, C. (1993) Proxel Press Paste: Photostability: Lab Project Number: BL4891/B. Unpublished study prepared by Brixham Environmental Laboratory, ZENECA Limited. 16 p.
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
44981607	Tognucci, A. (1999) Stability of Acticide BIT: Lab Project Number: 9904-ATC-63.9: 706026. Unpublished study prepared by Environmental Chemistry RCC Ltd. and Pharmanalytics Division. 21 p.
44982505	Tognucci, A. (1999) Stability and Corrosion Characteristics of Acticide B20: Lab Project Number: 9904-BR-63.6: 712596. Unpublished study prepared by Environmental Chemistry RCC Ltd. and Pharmanalytics Division. 33 p.
45075605	Tognucci, A. (2000) Stability and Corrosion Characteristics of Acticide BW10: Lab Project Number: 9907-BR-63.6: 712596. Unpublished study prepared by RCC Ltd. 33 p.
45076005	Tognucci, A. (2000) Stability and Corrosion Characteristics of Acticide BW20: Lab Project Number: 9906-BR-63.6: 712596. Unpublished study prepared by RCC Ltd. 33 p.

**830.6314 (63-14) Oxidizing/Reducing Action**

<b>MRID</b>	<b>Citation Reference</b>
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44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
45179801	Blake, J. (2000) Proxel TN: EPA Registration Project 1248242: (Product Chemistry): Lab Project Number: PROJECT 1248242. Unpublished study prepared by Avecia and Zeneca. 33 p. {OPPTS 830.6314 and 830.6320}
46460303	Klein, S. (2004) Product Chemistry Data: Sanitized Brand TB 83-35 DM. Project Number: TB/83/35. Unpublished study prepared by Sanitized AG. 5 p.
46528001	Troy Chemical Corporation (2005) Mergal BIT 20: Product Chemistry Data. Project Number: TCCBIT20REG2005, ANM/213A. 30 p.
46565901	Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6315 (63-15) Flammability**

<b>MRID</b>	<b>Citation Reference</b>
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
45553402	Sloan, R. (2001) Dantoserve--Chemical and Physical Properties: Lab Project Number: SP-01055-A. Unpublished study prepared by Lonza, Inc. 23 p. {OPPTS 830.6315, 830.7000, 830.7100, 830.7300}
46043901	Blake, J. (1995) Proxel DL - Physical/Chemical Characterisation Tests to Support US EPA Registration. Project Number: PROJECT/501962, RD012135B, 501962. Unpublished study prepared by Zeneca Specialties. 27 p.
46565901	Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6316 (63-16) Explodability**

<b>MRID</b>	<b>Citation Reference</b>
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.

- 46528001 Troy Chemical Corporation (2005) Mergal BIT 20: Product Chemistry Data. Project Number: TCCBIT20REG2005, ANM/213A. 30 p.
- 46565901 Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6317 (63-17) Storage stability**

<b>MRID</b>	<b>Citation Reference</b>
46485	Crawley, A.; Higginson, K. (1979) Fish Toxicity of Degraded 1,2-Benzisothiazolin-3-one. (Unpublished study including letter dated Aug 8, 1980 from J.A. Gleave to John Lee, received Aug 18, 1980 under 10182-3; submitted by ICI Americas, Inc., Wilmington, Del.; CDL:243274-A)
133679	ICI Americas, Inc. (19??) ?Chemistry of Proxel GXL . (Compilation; unpublished study received Mar 6, 1979 under 10182-30; CDL: 238168-A)
159676	Calgon Corp. (1986) Product Chemistry [Data]: Biochek 410. Unpublished study. 14 p.
40650901	Young, T. (1987) PDD #1045: A Study of the Stability of a 50% Aqueous Dilution of Proxel GXL. Unpublished study prepared by ICI Americas, Inc. 14 p.
40950601	Nipa Laboratories, Inc. (1988) Product Chemistry: Nipacide CR: Nipa-1988-A. Unpublished study. 20 p.
40950701	Nipa Laboratories, Inc. (1988) Product Chemistry (Nipacide X (17% Solution): NIPA-1988-A. Unpublished study. 18 p.
42429102	Field, B. (1992) Proxel MX: Determination of Storage Stability--Interim Report: Lab Project Number: 0202. Unpublished study prepared by ICI Specialties, Blackley. 25 p.
42780203	Nipa Laboratories, Inc. (1993) Product Chemistry: Physical and Chemical Characteristics for NIPA BIT Press Paste. Unpublished study. 48 p.
43229806	Willis, C. (1993) BP-1008: Storage Stability and Corrosion Characteristics: Interim Report: Lab Project Number: 00436-001. Unpublished study prepared by Case Consulting Labs., Inc. 21 p.
43398201	Willis, C. (1994) BP-1008: Storage Stability and Corrosion Characteristics 1 year at Room Temperature: Final Report: Lab Project Number: 00436/001. Unpublished study prepared by Case Consulting Labs, Inc. 23 p.
43489505	Williams, T. (1994) Proxel BD 20: 12 Month Storage Stability Study Interim Report at 0-Time: Lab Project Numbers: 281: SRC/ASG/NBY4610/11:

9407708. Unpublished study prepared by Zeneca Specialites. 14 p.
- 43536301 Field, B. (1994) PROXEL MX (pH3 Formulation): Determination of Storage Stability: Lab Project Number: 0219: RD011909B. Unpublished study prepared by ZENECA Specialties Research Centre. 26 p.
- 43584001 Polson, G. (1994) Physical and Chemical Properties of 1,2-Benzoisothiazol-3(2H)-One (sic) (BIT): Lab Project Number: 9-94B02BIT. Unpublished study prepared by Olin Central Analytical Labs. 94 p.
- 43596006 Williams, T. (1994) PROXEL XL 2: 12 Month Storage Stability Study Interim Report at 0-Time: Lab Project Numbers: PROJECT 282: 282: 9407709. Unpublished study prepared by Zeneca, Inc. 14 p.
- 43803902 Siemann, L. (1995) Nuosept 495 Product Chemistry for Product as Sold: Lab Project Number: 4161-F: MRI-F\R4161-01. Unpublished study prepared by Midwest Research Institute. 49 p.
- 43873801 Williams, T. (1995) Proxel XL2: 12 Month Storage Stability Study: Lab Project Number: PROJECT 282: RD 012123B: 282. Unpublished study prepared by Zeneca Specialties. 27 p.
- 44133001 Siemann, L. (1996) Nuosept 495 Product Chemistry for Product as Sold: Addendum Report: Lab Project Number: 4161-F: HULS/4161-F: MRI-F\R4161-01.WPD. Unpublished study prepared by Midwest Research Institute. 34 p.
- 44726906 Williams, T. (1998) Proxel TN: Interim (Time 0)Report. Project 800028: Lab Project Number: 800028. Unpublished study prepared by Zeneca, Inc. 15 p.
- 44908201 Polson, G. (1997) Physical and Chemical Properties of 1,2-Benzoisothiazol-3(2H)-one (BIT): Lab Project Number: 9-94B02BIT. Unpublished study prepared by Olin Central Analytical Labs. 23 p.
- 44981602 Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
- 44982503 Rub, B.; Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide B20: Lab Project Number: 9904-BR-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
- 45100701 Gottlieb, I. (2000) Product Chemistry for Nipacide CBX. Unpublished study prepared by Lewis and Harrison, LLC. 44 p. {OPPTS 860.1550, 830.1600, 830.1620, 830.1670, 830.1750, 830.1800, 830.6302, 830.6303, 830.6304, 830.7300, 830.7000, 830.6317, 830.7100, 830.6320}
- 45410403 Perkins, G. (2001) One Month Accelerated Storage Stability of EX663: Lab Project Number: AWR2567: AWR2567A. Unpublished study prepared by Troy Analytical Laboratory. 69 p.

- 45643501 Seal, K. (2002) Storage Stability of Acticide Bit: Lab Project Number: RS/00/010. Unpublished study prepared by Thor Specialities (UK) Limited. 24 p. {OPPTS 830.6317}
- 45799801 Troy Corporation. (2002) Troysan 680: Product Chemistry Data: Lab Project Number: TCC680REG2002A. Unpublished study prepared by Troy Analytical Laboratory. 25 p.
- 46528001 Troy Chemical Corporation (2005) Mergal BIT 20: Product Chemistry Data. Project Number: TCCBIT20REG2005, ANM/213A. 30 p.
- 46565901 Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.7100 (63-18) Viscosity**

<b>MRID</b>	<b>Citation Reference</b>
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
44982504	Tognucci, A. (1999) Density, pH and Viscosity of Acticide B20: Lab Project Number: 9904-BR-63.5: 712574. Unpublished study prepared by Environmental Chemistry RCC Ltd. and Pharmanalytics Division. 24 p.
45075604	Tognucci, A. (2000) Density, pH and Viscosity of Acticide BW10: Lab Project Number: 9907-BR-63.5: 712563. Unpublished study prepared by RCC Ltd. 23 p.
45076004	Tognucci, A. (2000) Density, pH and Viscosity of Acticide BW20: Lab Project Number: 9906-BR-63.5: 712585. Unpublished study prepared by RCC Ltd. 24 p.
45086904	Thomas, J. (2000) Determination of Viscosity (sic) for Nipacide BFW: Lab Project Number: NBFW/VIS001. Unpublished study prepared by NIPA Laboratories Ltd. 8 p.
45100704	Thomas, J. (2000) Determination of Viscosity for Nipacide CBX: Lab Project Number: NCBX/VIS001. Unpublished study prepared by NIPA Laboratories Ltd. 6 p.
45444705	Coscia, A.; Reub, B. (2000) Viscosity of Acticide MBS: Lab Project Number: 0010-BR-63/18. Unpublished study prepared by Thor GmbH. 14 p. {OPPTS 830.7100}
45553402	Sloan, R. (2001) Dantoserve--Chemical and Physical Properties: Lab Project Number: SP-01055-A. Unpublished study prepared by Lonza, Inc. 23 p.

{OPPTS 830.6315, 830.7000, 830.7100, 830.7300}

- 46043901 Blake, J. (1995) Proxel DL - Physical/Chemical Characterisation Tests to Support US EPA Registration. Project Number: PROJECT/501962, RD012135B, 501962. Unpublished study prepared by Zeneca Specialties. 27 p.
- 46528001 Troy Chemical Corporation (2005) Mergal BIT 20: Product Chemistry Data. Project Number: TCCBIT20REG2005, ANM/213A. 30 p.
- 46565901 Buck, C. (2005) Troy 2063: Product Chemistry Data. Project Number: TCC20632005. Unpublished study. 26 p.

**830.6320 (63-20) Corrosion characteristics**

<b>MRID</b>	<b>Citation Reference</b>
42780203	Nipa Laboratories, Inc. (1993) Product Chemistry: Physical and Chemical Characteristics for NIPA BIT Press Paste. Unpublished study. 48 p.
43229806	Willis, C. (1993) BP-1008: Storage Stability and Corrosion Characteristics: Interim Report: Lab Project Number: 00436-001. Unpublished study prepared by Case Consulting Labs., Inc. 21 p.
43398201	Willis, C. (1994) BP-1008: Storage Stability and Corrosion Characteristics 1 year at Room Temperature: Final Report: Lab Project Number: 00436/001. Unpublished study prepared by Case Consulting Labs, Inc. 23 p.
44133001	Siemann, L. (1996) Nuosept 495 Product Chemistry for Product as Sold: Addendum Report: Lab Project Number: 4161-F: HULS/4161-F: MRI-F\R4161-01.WPD. Unpublished study prepared by Midwest Research Institute. 34 p.
44981602	Coscia, A. (1999) Summary of Physical and Chemical Characteristics of Acticide BIT: Lab Project Number: 9904-ATC-63. Unpublished study prepared by Thor Chemie GmbH. 7 p.
44982505	Tognucci, A. (1999) Stability and Corrosion Characteristics of Acticide B20: Lab Project Number: 9904-BR-63.6: 712596. Unpublished study prepared by Environmental Chemistry RCC Ltd. and Pharmanalytics Division. 33 p.
45075605	Tognucci, A. (2000) Stability and Corrosion Characteristics of Acticide BW10: Lab Project Number: 9907-BR-63.6: 712596. Unpublished study prepared by RCC Ltd. 33 p.
45076005	Tognucci, A. (2000) Stability and Corrosion Characteristics of Acticide BW20: Lab Project Number: 9906-BR-63.6: 712596. Unpublished study prepared by RCC Ltd. 33 p.

45179801 Blake, J. (2000) Proxel TN: EPA Registration Project 1248242: (Product Chemistry): Lab Project Number: PROJECT 1248242. Unpublished study prepared by Avecia and Zeneca. 33 p. {OPPTS 830.6314 and 830.6320}

45643501 Seal, K. (2002) Storage Stability of Acticide Bit: Lab Project Number: RS/00/010. Unpublished study prepared by Thor Specialities (UK) Limited. 24 p. {OPPTS 830.6317}

46043901 Blake, J. (1995) Proxel DL - Physical/Chemical Characterisation Tests to Support US EPA Registration. Project Number: PROJECT/501962, RD012135B, 501962. Unpublished study prepared by Zeneca Specialties. 27 p.

46460303 Klein, S. (2004) Product Chemistry Data: Sanitized Brand TB 83-35 DM. Project Number: TB/83/35. Unpublished study prepared by Sanitized AG. 5 p.

**830.6321 (63-21) Dielectric breakdown voltage**

<b>MRID</b>	<b>Citation Reference</b>
46063604	Bowhill, L. (2003) DS6256 (BIT/KOH) Phys/Chem Characterisation for EPA Data Submission. Project Number: 1279815, RD12903B. Unpublished study prepared by Avecia Ltd. 34 p.

**850.2100 (71-1) Avian Single Dose Oral Toxicity**

<b>MRID</b>	<b>Citation Reference</b>
40991301	Roberts, N.; Phillips, C.; Howlett, C.; et al. (1988) The Acute Oral Toxicity of Proxel Press Paste to the Bobwhite Quail: Report No. ISN 164/88278. Unpublished study prepared by Huntingdon Research Centre. 37 p.
93053001	Burt, M. (1990) ICI Americas Inc. Phase 3 Summary of MRID 40991301. The Acute Oral Toxicity PROXEL Press Paste to the Bobwhite Quail. Prepared by Huntingdon Research Center, Ltd. 11 p.

**850.2200 (71-2) Avian Dietary Toxicity**

<b>MRID</b>	<b>Citation Reference</b>
103898	Fink, R. (1973) Final Report: Eight-day Dietary LC50--Mallard Ducks: ?Technical Benzisothiazolin : Project No. 106-136. (Un- published study

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- 103899 Fink, R. (1973) Final Report: Eight-day Dietary LC50--Bobwhite Quail: ?Technical Benzisothiazolin|: Project No. 106-135. (Un- published study received Aug 29, 1973 under 10182-3; prepared by Environmental Sciences Corp., submitted by ICI Americas, Inc., Wilmington, DE; CDL:008767-B)
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- 133669 Fink, R. (1973) Eight-day Dietary LC50--Mallard Ducks ?Using| Technical Benzisothiazolin: Project No. 106-136. Final rept. (Unpublished study received Aug 29, 1973 under 10182-3; prepared by Hazleton Laboratories, submitted by ICI Americas, Inc., Wilmington, DE; CDL:131696-C)
- 41732001 Long, R.; Foster, J.; Hoxter, K.; et al. (1990) A Dietary LC50 Study With the Northern Bobwhite: Lab Project No. 123-162. Unpublished study prepared by Wildlife International LTD. 16 p.
- 44398401 Pedersen, C. (1997) Acute Avian Oral Toxicity (LD50) Study with XBINX in Bobwhite Quail: (Final Report): Lab Project Number: 159-001-03. Unpublished study prepared by Bio-Life Associates, Ltd. 55 p.
- 44482901 Pedersen, C. (1998) Acute Avian Dietary Toxicity (LC50) Study in Bobwhite Quail with XBINX: Lab Project Number: 159-002-01: 112S43: 112S43A-4. Unpublished study prepared by Bio-Life Associates, Ltd. 99 p.

**850.1075 (72-1) Acute Toxicity to Freshwater Fish**

<b>MRID</b>	<b>Citation Reference</b>
81631	Brown, D. (1980) Determination of the Acute Toxicity of Proxel Press Paste to Plaice (~Pleuronectes platessa~): Brixham Re- port No. BL/B/2060. (Unpublished study received Jul 23, 1981 under 10182-4; prepared by Imperial Chemical Industries, Ltd., England, submitted by ICI Americas, Inc., Wilmington, Del.; CDL:245840-A)
103901	Vogin, E. (1971) Determination of TLm Values of Proxel CRL for Fingerling Fish: Laboratory No. 0697. (Unpublished study re- ceived Aug 29, 1973 under 10182-4; prepared by Food and Drug Research Laboratories, Inc., submitted by ICI Americas, Inc., Wilmington, DE; CDL:008768-D)
133878	Brown, D. (1976) Proxel Biocides: An Assessment of Their Likely Be- haviour in Sewage Treatment. (Unpublished study received Mar 23, 1979 under 10182-



3; prepared by Imperial Chemical Industries Ltd., Eng., submitted by ICI Americas, Inc., Wilmington, DE; CDL:238545-C)

- 134039 Vogin, E. (1971) Determination of TLM Values of Proxel CRL for Fingerling Fish: Laboratory No. 0697. (Unpublished study received Jan 10, 1972 under 10182-3; prepared by Food and Drug Research Laboratories, Inc., submitted by ICI Americas, Inc., Wilmington, DE; CDL:016020-G)
- 41687101 Brown, D. (1979) Proxel Press Paste: Determination of the Acute Toxicity to Rainbow Trout *Salmo gairdneri*: Lab Project Number: BL/B/1986. Unpublished study prepared by ICI Brixham Laboratory. 22 p.
- 44398402 Terrell, Y. (1997) XBINX Acute Effects on the Rainbow Trout, *Oncorhynchus mykiss*: Lab Project Number: 97-600110-115-2: 6001-10: 01. Unpublished study prepared by Aqua Survey, Inc. 94 p.
- 45534602 Scheerbaum, D. (1998) Fish (Rainbow trout), Acute Toxicity Test, 96 h, Semi-Static: Acticide BIT: Lab Project Number: 98702TS: FAR59991: FAR5999-. Unpublished study prepared by Dr U. Noack Laboratorium fuer Angewandte Biologie. 50 p. {OPPTS 850.1075}

**850.1010 (72-2) Acute Toxicity to Freshwater Invertebrates**

<b>MRID</b>	<b>Citation Reference</b>
133876	Thompson, R.; Smyth, D. (1977) Determination of the Acute Toxicity of Proxel Press Paste (Active Ingredient 1,2 Benzisothiazolin-3-one) to <i>Daphnia Magna</i> . (Unpublished study received Mar 23, 1979 under 10182-3; prepared by Imperial Chemical Industries Ltd., Eng., submitted by ICI Americas, Inc., Wilmington, DE; CDL: 238545-A)
42949001	Kent, S.; Roberts, G.; Grinell, A. (1993) Proxel Press Paste: Acute Toxicity to <i>Daphnia magna</i> : Lab Project Number: BL4847/B: X060/B. Unpublished study prepared by Zeneca Ltd.'s Brixham Environmental Lab. 20 p.
44398403	Terrell, Y. (1997) XBINX Acute Effects on the Cladoceran, <i>Daphnia magna</i> : Lab Project Number: 97-300110-115-1: 3001-10: 01. Unpublished study prepared by Aqua Survey, Inc. 78 p.
45534601	Noack, U. (1998) Aquatic Invertebrate Acute Toxicity Test (48 h), Freshwater Daphnids: <i>Daphnia magna</i> Straus: Acticide BIT: Lab Project Number: 9807012TS: DAI59991: DAI5999-. Unpublished study prepared by Dr. U. Noack Laboratorium fuer Angewandte Biologie. 55 p. {OPPTS 850.1010}
93053002	Smyth, D. (1990) ICI Americas Inc. Phase 3 Summary of MRID 00133876. Proxel Press Paste: Determination of the Acute Toxicity to <i>Daphnia magna</i> : Report No. BL/B/1779; Study No. D213/A. Prepared by ICI Brixham



Laboratory. 13 p.

**850.1075/1055/1035 (72-3) Acute Toxicity to Estuarine/Marine Organisms**

<b>MRID</b>	<b>Citation Reference</b>
81632	Brown, D. (1980) Determination of the Acute Toxicity of Proxel Press Paste to Brown Shrimp (~Crangon crangon~): Brixham Re- port No. BL/B/2059. (Unpublished study, including letter dated Dec 7, 1979 from D. Brown to unknown recipient, received Jul 23, 1981 under 10182-4; prepared by Imperial Chemical Industries, Ltd., England, submitted by ICI Americas, Inc., Wilmington, Del.; CDL:245840-B)
42945001	Roberts, G.; Caunter, J.; Grinell, A. (1993) Proxel Press Paste: Acute Toxicity to Sheepshead minnow ( <i>Cyprinodon variegatus</i> ): Lab Project Number: BL4869/B: X060/A. Unpublished study prepared by Zeneca Limited, Brixham Environmental Lab. 20 p.
42949002	Kent, S.; Roberts, G.; Stanley, R. (1993) Proxel Press Paste: Acute Toxicity to Mysid Shrimp ( <i>Mysidopsis bahia</i> ): Lab Project Number: BL4797/B: X060/C. Unpublished study prepared by Zeneca Ltd.'s Brixham Environmental Lab. 20 p.
42952401	Roberts, G.; Caunter, J.; Johnson, P. (1993) PROXEL PRESS PASTE: Acute Toxicity to Larvae of the Pacific Oyster ( <i>Crassostrea gigas</i> ): Lab Project Number: BL4917/B. Unpublished study prepared by Brixham Environmental Lab, ZENECA Limited. 21 p.

**870.1100 (81-1) Acute oral toxicity in rats**

<b>MRID</b>	<b>Citation Reference</b>
67715	ICI Americas, Incorporated (1969) Proxel PM Paste. (Unpublished study received May 5, 1969 under 10182-1; CDL:100147-A)
133637	Swan, A. (1959) Toxicological Report: 1,2 Benzisothiazolone: ?Rab- bits: Rats : Report No. TR/197. (Unpublished study received Nov 29, 1968 under 10182-1; prepared by Imperial Chemical Industries Ltd., submitted by ICI Americas, Inc., Wilmington, DE; CDL: 026179-B)
133638	McElligott, T. (1966) Toxicological Report: Proxel PM Paste: ?Rab- bits: Rats: Mice : Report No. TR/490. (Unpublished study re- ceived Nov 29, 1968 under 10182-1; prepared by Imperial Chemical Industries Ltd., submitted by ICI Americas, Inc., Wilmington, DE; CDL:026179-C)

- 133680 Ball, S.; Phillips, J. (1976) Proxel XL: Oral Toxicity and Local Irritant Effects: Report No. CTL/T/985. (Unpublished study received Mar 6, 1979 under 10182-30; prepared by Imperial Chemical Industries, Ltd., Eng., submitted by ICI Americas, Inc., Wilmington, DE; CDL:238168-B)
- 134041 Surgikos, Inc. (1973) Proxel Press Paste: ?Summary of Toxicity Studies|. (Unpublished study received Nov 12, 1972 under 7078- 3; CDL:050670-B)
- 134544 Swan, A. (1959) 1,2-Benzisothiazolone: Toxicological Report 197. (Unpublished study received Feb 23, 1971 under 10182-3; prepared by Imperial Chemical Industries, Ltd., Eng., submitted by ICI Americas, Inc., Wilmington, DE; CDL:004863-B)
- 134547 Kinch, D. (1969) Antibacterial DS4547: Toxicological Report 697. (Unpublished study received Feb 23, 1971 under 10182-3; prepared by Imperial Chemical Industries, Ltd., Eng., submitted by ICI Americas, Inc., Wilmington, DE; CDL:004863-E)
- 159672 Moreno, O.; Cerven, D.; Altenbach, E. (1985) LD50 in Rats: Biochek 410: MB 85-7700A. Unpublished study prepared by MB Research Laboratories, Inc. 10 p.
- 40989201 Nitka, S. (1988) Acute Oral LD50 in Rats: Nipacide X (1,2 Benzisothiazolin-3-one): Study No. 87448. Unpublished study prepared by Consumer Product Testing. 14 p.
- 41022101 Leah, A. (1988) Proxel Press Paste: Acute Oral Toxicity to the Rat: Report No. CTL/P/2079. Unpublished study prepared by Imperial Chemical Industries Ltd. 63 p.
- 42429104 Shapiro, R. (1992) EPA Acute Oral Toxicity--Defined LD50: IL-2529: Lab Project Number: T-1121. Unpublished study prepared by Product Safety Labs. 31 p.
- 42858101 Burt, M. (1993) Proxel Press Paste: Acute Oral Toxicity to the Rat: Addendum: Lab Project Number: CTL/P/2079. Unpublished study prepared by Zeneca Central Toxicology Lab. 4 p.
- 43229807 Shapiro, R. (1993) EPA Acute Oral Toxicity-Defined LD50: BP-1008 Industrial Preservative, Lot #1: Lab Project Number: T-2444: P320: E30615-6. Unpublished study prepared by Product Safety Labs. 23 p.
- 43484501 Leah, A. (1994) First Revision to PROXEL BD: Acute Oral Toxicity to the Rat: Lab Project Number: CTL/P/2216: AR1957. Unpublished study prepared by Zeneca Central Toxicology Lab. 19 p.
- 43489506 Robinson, P. (1994) Proxel BD20: Acute Oral Toxicity to the Rat: Lab Project Numbers: CTL/P/4512: AR5822. Unpublished study prepared by Zeneca Central Toxicology Lab. 91 p.

- 43584002 Glaza, S. (1993) Acute Oral Toxicity Study of XBINX in Rats: Final Report: Lab Project Numbers: HWI 30601874: 30601874. Unpublished study prepared by Hazleton Wisconsin, Inc. 49 p.
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**870.2400 (81-4) Primary eye irritation in rabbits**

**MRID**

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**870.2500 (81-5) Primary dermal irritation**

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**870.3100/3150 (82-1) Subchronic Oral Toxicity: 90-Day Study**

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**870.5265/5300/5395 (84-2) Intreraction with Gonadal DNA**

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41022103	Cross, M. (1988) Proxell Press Paste: Assessment of Mutagenic Potential Using L5178Y Lymphoma Cells: Report No. CTL/P/2215. Unpublished study prepared by Imperial Chemical Industries Ltd. 44 p.
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**870.5550 (84-4) Other Genotoxic Effects**

<b>MRID</b>	<b>Citation Reference</b>
42858107	Burt, M. (1993) Proxel Press Paste: Assessment for the Induction of Unscheduled DNA Synthesis in Primary Rat Hepatocyte Cultures: Addendum: Lab Project Number: CTL/P/2208. Unpublished study prepared by Zeneca Central Toxicology Lab. 4 p.
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45124901	Conning, D. (1972) (Inert Ingredient): Excretion and Tissue Retention in the Rat: Lab Project Number: HO/IH/P/3. Unpublished study prepared by Imperial

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**860.1100 (171-2) Chemical Identity**

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41199101	Field, B. (1989) 1,2-Benzisothiazolin-3-one: Hydrolysis Study, Report D96901B. Unpublished study prepared by Imperial Chemical Industries Ltd. 10 p.
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41199102	Roberts, G. (1989) 1,2, Benzisothiazolin-3-one: Aerobic Degradation in Soil: Study ID: R048/D. Unpublished study prepared by Imperial Chemical Industries

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**835.1230/1240 (163-1) Leach/adsorp/desorption**

<b>MRID</b>	<b>Citation Reference</b>
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**860.1400 (171-4C) Magnitude of the Residue [by commodity]**

<b>MRID</b>	<b>Citation Reference</b>
103900	Fink, R.; Guyton, C. (1973) Final Report: Tissue Residue Study-- Bluegill Sunfish...: ?Benzisothiazolone (Analytical); Benzisothiazolone C14 (Radioactive) : Project No. 106-133. (Unpublished study received Aug 29, 1973 under 10182-3; prepared by Environmental Sciences Corp., submitted by ICI Americas, Inc., Wilmington, DE; CDL:008767-C)

**870.7600 (85-3) Dermal penetration**

<b>MRID</b>	<b>Citation Reference</b>
46327901	O'Connor, J. (1999) Nipacide Bit: Preliminary Study to Assess the Absorption of Nipacide Bit from the Skin and Gastrointestinal Tract in the Male Rat. Project Number: NLL060/970078, 970078. Unpublished study prepared by Huntington. 181 p.

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<b>MRID</b>	<b>Citation Reference</b>
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- 42967100 Huls America Inc. (1993) Submission of Product Chemistry Data for NUOSEPT



- 495 Preservative in Support of a Me-Too Registration. Transmittal of 2 Studies.
- 43229800 ZENECA Inc. (1994) Submission of Product Chemistry Data and Toxicity Data for PARADYME Preservative in Support of Registration. Transmittal of 11 studies.
- 43354200 Zeneca, Inc. (1994) Submission of Product Chemistry Data in Support of Registration Amendment for Proxel GXL Industrial Microbiostat. Transmittal of 1 Study.
- 43398200 Zeneca Inc. (1994) Submittal of Product Chemistry Data in Support of Registration for Paradyme Preservative. Transmittal of 1 study.
- 43424800 Zeneca, Inc. (1994) Submission of Manufacturing Process Data in Support of Registration Amendment for Proxel MX Preservative (Reputain). Submission of 1 Study.
- 43484500 Zeneca, Inc. (1994) Submission of Toxicity Data in Support of Application for Label Amendment for PROXEL BD Industrial Microbiocide. Transmittal of 2 Studies.
- 43489500 Zeneca, Inc. (1994) Submission of Product Chemistry and Toxicity Data in Support of the Registration of PROXEL BD20 Industrial Microbiostat. Transmittal of 10 Studies.
- 43536300 ZENECA Biocides (1995) Submission of product chemistry data in support of registration of Proxel MX Preservative. Transmittal of 1 study.
- 43542900 Zeneca, Inc. (1995) Submission of Product Chemistry Data in Support of the Registration of PARADYME Preservative. Transmittal of 2 Studies.
- 43584000 PMC Specialties Group (1995) Submission of Product Chemistry and Toxicity Data in Support of the Registration of the 1,2-Benzoisothiazol-3(2H)-one Containing Product XBINX. Transmittal of 9 Studies.
- 43585600 Zeneca, Inc. (1995) Submission of Toxicity Data in Support of a Registration Amendment for Proxel MX. Transmittal of 1 Study.
- 43586000 Zeneca Biocides (1995) Submission of Product Chemistry and Toxicity Data in Support of Application for Registration of Purified Proxel Press Paste. Transmittal of 5 Studies.
- 43586005 Burt, M. (1995) Purified Proxel Press Paste: Assessment of Toxicity and Environmental Effects: Lab Project Number: P4-A. Unpublished study prepared by Zeneca, Inc. 5 p.
- 43596000 Zeneca Biocides (1995) Submission of Product Chemistry and Toxicity Data in Support of the Registration of PROXEL XL 2. Transmittal of 10 Studies.
- 43607600 Steptoe & Johnson (1995) Submission of product chemistry data in support of registration of Nuosept 495 Preservative. Transmittal of 1 study.

- 43663000 PMC Specialties Group, Inc. (1995) Submission of Product Chemistry and Toxicology Data in Support of Application for Registration of XBINX. Transmittal of 8 Studies.
- 43674600 Zeneca, Inc. (1995) Submission of Product Chemistry Data in Support of the Application for Registration of Purified Proxel Press Paste. Transmittal of 1 Study.
- 43724100 Huls America, Inc. (1995) Submission of Product Chemistry Data in Support of the Registration of Nuosept BIT Technical. Transmittal of 2 Studies.
- 43803800 Huls America, Inc. (1995) Submission of Toxicology Data in Support of the Registration of NUOSEPT BIT Technical. Transmittal of 5 Studies.
- 43803900 Huls America Inc. (1995) Submission of product chemistry and toxicity data in support of registration for Nuosept 495 Preservative. Transmittal of 7 studies.
- 43873800 Zeneca, Inc. (1995) Submission of Product Chemistry Data in Support of the Registration of Proxel XL 2. Transmittal of 1 Study.
- 43975300 Zeneca Inc. (1996) Submission of Product Chemistry Data in Support of the Registration Amendment for PROXEL Press Paste. Transmittal of 2 Studies.
- 44051200 Zeneca Inc. (1996) Submission of Product Chemistry Data in Support of the Registration of Proxel XL 2. Transmittal of 1 Study.
- 44126300 Nipa Hardwicke, Inc. (1996) Submission of Product Chemistry Data in Support of the Application for Registration of Nipacide BIT 10. Transmittal of 1 Study.
- 44133000 Huls America Inc. (1996) Submission of Product Chemistry Data in Support of the Registration for Nuosept 495 Preservative. Transmittal of 1 Study.
- 44182100 PMC Specialties Group, Inc. (1996) Submission of Environmental Fate Data in Support of the Application for Registration of RJ Advantage, Inc.'s XBINX. Transmittal of 1 Study.
- 44211000 Zeneca, Inc. (1997) Submission of Product Chemistry Data in Support of the Amended Registration for Proxel Press Paste. Transmittal of 3 Studies.
- 44270700 Zeneca, Inc. (1997) Submission of Product Chemistry Data in Support of the Amended Registration for Proxel Press Paste. Transmittal of 2 Studies.
- 44290100 Calgon Corp. (1997) Submission of Product Chemistry and Toxicity Data in Support of the Product Specific RED for 1,2-Dibromo-2,4- dicyanobutane Containing Product Biochek 410. Transmittal of 5 Studies.
- 44398400 RJ Advantage Inc. (1997) Submission of Toxicity Data in Support of the Registration for XBINX. Transmittal of 3 Studies.
- 44450400 PMC Specialties Group, Inc. (1997) Submission of Product Chemistry Data in Support of the Registration of XBINX. Transmittal of 1 Study.

44482900 Cincinnati Specialties, Inc. (1998) Submission of Hazard to Wildlife Data in Support of the Registration of XBINX. Transmittal of 1 Study.

44514400 PMC Specialties Group, Inc. (1998) Submission of Product Chemistry Data in Support of the Application for Registration of XBINX 50W. Transmittal of 3 Studies.

44564000 PMC Specialties Group, Inc. (1998) Submission of Toxicity Data in Support of the Application for Registration of XBINX 50W. Transmittal of 2 Studies.

44671500 Cincinnati Specialties, Inc. (1998) Submission of Environmental Fate Data in Support of the Application for Registration of XBINX. Transmittal of 1 Study.

44726900 Zeneca, Inc. (1999) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Proxel TN. Transmittal of 10 Studies.

44746200 Zeneca Inc. (1998) Submission of Toxicity Data in Support of the Application for Registration of Proxel TN. Transmittal of 1 Study.

44810500 Trutec Industries, Inc. (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Palene 610-C. Transmittal of 1 Study.

44908200 PMC Specialties Group (1999) Submission of Product Chemistry Data in Support of the Registration of XBINX 88. Transmittal of 1 Study.

44959800 Avecia Biocides (1999) Submission of Toxicity Data in Support of the Registration of Proxel GXL. Transmittal of 2 Studies.

44966000 Avecia, Inc. (1999) Submission of Toxicity Data in Support of the Registration of Proxel GXL. Transmittal of 1 Study.

44981600 Thor Chemie GmbH (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Acticide BIT. Transmittal of 7 Studies.

44982500 Thor Chemie GmbH (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Acticide B20. Transmittal of 5 Studies.

45009700 Thor Chemie GmbH (1999) Submission of Product Chemistry Data in Support of the Application for Registration of Acticide BIT. Transmittal of 1 Study.

45026000 Creanova, Inc. (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Nuosept 485. Transmittal of 8 Studies.

45075600 Thor Chemie GmbH (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Acticide BW10. Transmittal of 5 Studies.

45076000 Thor Chemie GmbH (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Acticide BW20. Transmittal of 5 Studies.

45086900 NIPA Inc. (2000) Submission of Product Chemistry Data in Support of the

- Application for Registration of Nipacide BFW. Transmittal of 5 Studies.
- 45100700 NIPA Inc. (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Nipacide CBX. Transmittal of 9 Studies.
- 45116500 Thor Chemie GmbH (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Acticide B10. Transmittal of 5 Studies.
- 45133800 Creanova Inc. (2000) Submission of Toxicity Data in Support of the Application for Registration of Nuosept 485 Preservative. Transmittal of 1 Study.
- 45175000 Cincinnati Specialties, Inc. (2000) Submission of Toxicity Data in Support of the Application for Registration of XBINX 17G. Transmittal of 1 Study.
- 45179800 Avecia Inc. (2000) Submission of Product Chemistry Data in Support of the Application for Registration of Proxel TN. Transmittal of 1 study.
- 45184600 MB Research Laboratories (2000) Submission of Toxicity Data in Support of the Registration of XBINX 88. Transmittal of 1 Study.
- 45216600 Nalco Chemical Company (2000) Submission of Toxicity Data in Support of the Reregistration of the 1,2-dibromo-2, 4-dicyanobutane and 1,2-benzisothiazolin-3-one Containing Product Biochek 410. Transmittal of 1 Study.
- 45219100 Avecia (2000) Submission of Product Chemistry Data in Support of the Registration of Proxel GXL. Transmittal of 1 Study.
- 45236800 Troy Corp. (2000) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Mergal K10N. Transmittal of 7 Studies.
- 45240300 PMC Specialties Group, Inc. (2000) Submission of Toxicity Data in Support of the Application for Registration of XBINX 17G. Transmittal of 2 Studies.
- 45308900 PMC Specialties Group, Inc. (2001) Submission of Toxicity Data in Support of the Application for the Registration of XBINX 19G. Transmittal of 1 Study.
- 45312600 Avecia, Inc. (2001) Submission of Toxicity Data in Support of the Application for the Registration of Proxel TN. Transmittal of 1 Study.
- 45358300 Avecia, Inc. (2001) Submission of Product Chemistry Data in Support of the Application for the Registration of PROXEL Ultra Technical. Transmittal of 2 Studies.
- 45389700 Avecia, Inc. (2001) Submission of Product Chemistry Data in Support of the Application for the Registration of Proxel Ultra Technical. Transmittal of 2 Studies.
- 45410400 Troy Chemical Corporation (2001) Submission of Product Chemistry and Toxicity Data in Support of the Application for the Registration of Polyphase 663. Transmittal of 9 Studies.

- 45431300 Creanova Inc. (2001) Submission of Product Chemistry Data in Support of the Registration of Nuosept Bit Technical. Transmittal of 2 Studies.
- 45431301 Comb, A. (2000) 1,2-Benzisothiazol-3(2H)-One Five-Batch Analysis: Lab Project Number: DNN/131: DNN131/004725. Unpublished study prepared by Huntingdon Life Sciences Ltd. 34 p. {OPPTS 830.1700}
- 45437100 Rohm and Haas (2001) Submission of Toxicity Data in Support of the Application for Registration of Rocima 607 Industrial Microbicide. Transmittal of 6 Studies.
- 45444700 Acti-Chem Specialties, Inc. (2001) Submission of Toxicity and Product Chemistry Data in Support of the Application for Registration of Acticide MBS. Transmittal of 10 Studies.
- 45489400 Thor GmbH (2001) Submission of Toxicity Data in Support of the Application for Registration of Acticide MBS. Transmittal of 2 Studies.
- 45489401 Coscia, A. (2001) Summary of the Acute Toxicity Characteristics of Acticide MBS: Lab Project Number: NO.01 TOX SUMMARY/MBS. Unpublished study prepared by Acti-Chem Specialties, Inc. 5 p. {OPPTS 870.1100, 870.1200, 870.1300, 870.2400, 870.2500, 870.2600}
- 45496300 Rohm and Haas Co (2001) Submission of Product Chemistry Data in Support of the Application of Registration of Rocima 607 Industrial Microbicide. Transmittal of 1 Study.
- 45498300 Avecia Inc. (2001) Submission of Product Chemistry Data in Support of the Registration of Proxel Ultra Technical. Transmittal of 1 Study.
- 45515800 Prom Chem Ltd (2001) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Promex BIT. Transmittal of 4 Studies.
- 45534600 Prom Chem Ltd. (2001) Submission of Toxicity Data in Support of the Application of Registration of Promex BIT. Transmittal of 3 Studies.
- 45553400 Lonza, Inc. (2001) Submission of Product Chemistry and Toxicity Data in Support of the Applications for Registration of Dantoserive SG and Dantoserive MS. Transmittal of 7 Studies.
- 45553800 Prom Chem Ltd. (2001) Submission of Product Chemistry Data in Support of the Application for Registration of Promex BIT. Transmittal of 1 Study.
- 45633900 Rohm and Haas Company (2002) Submission of Toxicity Data in Support of the Application for Registration of Rocima 607. Transmittal of 1 Study.
- 45643500 THOR GmbH (2002) Submission of Product Chemistry Data in Support of the Registration of Acticide Bit. Transmittal of 2 Studies.
- 45686200 Trutec Industries, Inc. (2002) Submission of Product Chemistry Data in Support

of the Application for Registration of Palene 710-C. Transmittal of 1 Study.

45746200 Trutec Industries, Inc. (2002) Submission of Product Chemistry Data in Support of the Application for Registration of Palene 710-C. Transmittal of 1 Study.

45770300 Avecia Inc. (2002) Submission of Toxicity Data in Support of the Registration of Proxel Press Paste. Transmittal of 1 Study.

45793600 Troy Corporation (2002) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Troysan 680. Transmittal of 6 Studies.

45799800 Troy Corporation (2002) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Troysan 680. Transmittal of 2 Studies.

45929800 Prom Chem Ltd. (2003) Submission of Environmental Fate Data in Support of the Amended Registration of Promex BIT. Transmittal of 2 Studies.

46009000 Prom Chem Ltd (2003) Submission of Toxicity Study in Support of the Amended Registration of Promex BIT. Transmittal of 3 Studies.

46043900 Avecia Inc. (2003) Submission of Product Chemistry Data in Support of the Registration of Proxel DL. Transmittal of 1 Study.

46063600 Avecia Inc (2003) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Proxel AQ Preservative. Transmittal of 7 Studies.

46097100 Avecia Biocides (2003) Submission of Toxicity Data in Support of the Reregistration of Proxel Containing Product Proxel Press Paste (BIT). Transmittal of 1 Study.

46113100 PromChemie Ag (2003) Submission of Product Chemistry Data in Support of the Application for Registration of Promex 20S. Transmittal of 1 Study.

46113200 PromChemie Ag (2003) Submission of Product Chemistry Data in Support of the Application for Registration of Promex 10S. Transmittal of 1 Study.

46113300 PromChemie Ag (2003) Submission of Product Chemistry Data in Support of the Application for Registration of Promex 20D. Transmittal of 1 Study.

46179900 Clariant Corporation (2003) Submission of Toxicity Data in Support of the Application for Registration of Nipacide TBX. Transmittal of 3 Studies.

46184900 PromChemie AG (2004) Submission of Product Chemistry Data in Support of the Application for Registration of Promex 20D. Transmittal of 1 Study.

46185100 PromChemie AG (2004) Submission of Product Chemistry Data in Support of the Application for Registration of Promex 10S. Transmittal of 1 Study.

46185300 PromChemie AG (2004) Submission of Product Chemistry Data in Support of

- the Application for Registration of Promex 20S and Promex 10S. Transmittal of 1 Study
- 46187400 PromChemie AG (2004) Submission of Product Chemistry Data in Support of Application for Registration of Promex 20D. Transmittal of 1 Study.
- 46239600 Avecia, Inc. (2004) Submission of Product Chemistry Data in Support of the Reregistration of Proxel Press Paste. Transmittal of 1 Study.
- 46246900 Prom Chem Limited (2004) Submission of Product Chemistry Data in Support of the Registration of Promex BIT. Transmittal of 1 Study.
- 46287400 Thor GmbH (2004) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Acticide MBL 5515. Transmittal of 9 Studies.
- 46327900 Clariant Corporation (2004) Submission of Toxicity Data in Support of the Reregistration of 1,2-Benzisothiazolin-3-one. Transmittal of 1 Study.
- 46346200 Prom Chem Ltd (2004) Submission of Toxicity Data in Support of FIFRA 6(a)(2) Data Requirements for Promex BIT. Transmittal of 1 Study.
- 46357400 Acti-Chem Specialties Inc. (2004) Submission of Product Chemistry Data in Support of the Amended Registration of Acticide BW20. Transmittal of 1 Study.
- 46382700 THOR GMBH (2004) Submission of Product Chemistry Data in Support of the Amended Registration of Acticide B20. Transmittal of 1 Study.
- 46448000 Thor GmbH (2005) Submission of Toxicity Data in Support of the Application for Registration of Acticide MBL 5515. Transmittal of 1 Study.
- 46455000 Sanitized, Inc. (2004) Submission of Efficacy Data in Support of the Application for Registration of Sanitized Brand TB 83-35 MUP-DM. Transmittal of 1 Study.
- 46455001 Klein, S. (2004) Laboratory Assessment of the Efficacy of a Fabric Treatment to Control House Dust Mites. Project Number: 972/0904R. Unpublished study prepared by Laboratoire T.E.C/Techniques Environnement Consultants. 18 p.
- 46460300 Sanitized, Inc. (2005) Submission of Product Chemistry and Efficacy Data in Support of the Application for Registration of Sanitized Brand TB 83-35 DM. Transmittal of 3 Studies.
- 46460301 Klein, S. (2004) Laboratory Assessment of the Efficacy of a Fabric Treatment to Control House Dust Mites. Project Number: 972/0904R, NF/G/39/011. Unpublished study prepared by Laboratoire T.E.C/Techniques Environnement Consultants. 18 p.
- 46467900 Arch Chemicals, Inc. (2005) Submission of Product Chemistry Data in Support of the Application for Registration of Proxel UL 7 Preservative. Transmittal of 4 Studies.

- 46490200 Arch Chemicals, Inc. (2005) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Proxel BN Preservative. Transmittal of 10 Studies.
- 46496800 Sanitized, Inc. (2005) Submission of Exposure and Risk Data in Support of the Application for Registration of Sanitized Brand TB 83-35 MUP-DM. Transmittal of 1 Study.
- 46496801 Marconi, C. (2004) Risk Assessment of Sanitized TB 83-85. Project Number: 502/003. Unpublished study prepared by Sanitized AG. 118 p.
- 46504600 Clariant Corporation (2003) Submission of Product Chemistry Data in Support of the Application of Registration of Nipacide TBX. Transmittal of 7 Studies.
- 46504605 Whatmough, M. (2002) Determination of Viscosity for Nipacide TBX. Project Number: MOA019D, CAL011. Unpublished study prepared by Clariant UK Ltd. and Nipa Laboratories, Ltd. 6 p.
- 46509300 Arch Chemicals, Inc. (2005) Submission of Product Chemistry Data in Support of the Application for Registration of Proxel BN Preservative. Transmittal of 2 Studies.
- 46527400 Troy Chemical Corp. (2005) Submission of Product Chemistry Data in Support of the Application for Registration of Mergal BIT Paste. Transmittal of 2 Studies.
- 46527700 Arch Chemicals, Inc. (2005) Submission of Product Chemistry Data in Support of the Application for Registration of Proxel BN Preservative. Transmittal of 1 Study.
- 46528000 Troy Chemical Corp. (2005) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Mergal BIT 20. Transmittal of 8 Studies.
- 46542200 ProChemie AG (2005) Submission of Product Chemistry Data in Support of the Amended Registration of Promex 20D. Transmittal of 1 Study.
- 46565900 Troy Chemical Corp. (2005) Submission of Product Chemistry Data in Support of the Application for the Registration of Troy 2063. Transmittal of 2 Studies.
- 46603400 Thor GmbH (2005) Submission of Product Chemistry and Toxicity Data in Support of the Application for Registration of Acticide MBL. Transmittal of 8 Studies.
- 93053000 Ici Americas Inc. (1990) Reregistration Phase 3 Response: Benzisothiazolin-3-one.
- 93053999 Ici Americas Inc. (1990) Reregistration Phase 3 Response: Benzisothiazolin-3-one. Correspondence and Supporting Material.
- 93287000 Nipa Laboratories Inc. (1993) Reregistration Phase 3 Response:



Benzisothiazolin- 3-one.

93287999

Nipa Laboratories Inc. (1993) Reregistration Phase 3 Response:  
Benzisothiazolin- 3-one. Correspondence and Supporting Material.

## **Appendix E. Generic Data Call-In**

The Agency intends to issue a Generic Data Call-In at a later date.

## **Appendix F. Product Specific Data Call-In**

The Agency intends to issue a Product Specific Data Call-In at a later date.

## **Appendix G. ANTIMICROBIAL DIVISION'S BATCHING OF PRODUCTS CONTAINING BENZISOTHIAZOLIN-3-ONE AS THE ACTIVE INGREDIENT FOR MEETING ACUTE TOXICITY DATA REQUIREMENTS FOR REREGISTRATION**

In an effort to reduce the time, resources and number of animals needed to fulfill the acute toxicity data requirements for reregistration of products containing Benzisothiazolin-3-one as an active ingredient, the Agency has batched products which can be considered similar for purposes of acute toxicity. Factors considered in the sorting process include each product's active and inert ingredients (identity, percent composition and biological activity), type of formulation (e.g., emulsifiable concentrate, aerosol, wettable powder, granular), and labeling (e.g., signal word, use classification, precautionary labeling). Note that the Agency is not describing batched products as "substantially similar," since they may not have similar use patterns.

Using available information, batching has been accomplished by the process described in the preceding paragraph. Notwithstanding the batching process, the Agency reserves the right to require, at any time, acute toxicity data for an individual product should the need arise.

Registrants of products within a batch may choose to cooperatively generate, submit or cite a single battery of six acute toxicological studies to represent all the products within that batch. It is the registrants' option to participate in the process with all other registrants, only some of the other registrants, or only their own products within a batch, or to generate all the required acute toxicological studies for each of their own products. If a registrant chooses to generate the data for a batch, he/she must use one of the products within the batch as the test material. If a registrant chooses to rely upon previously submitted acute toxicity data, he/she may do so provided that the data base is complete and valid by today's standards (see partial list of acceptance criteria attached), the formulation tested is considered by EPA to be similar for acute toxicity, and the formulation has not been significantly altered since submission and acceptance of the acute toxicity data. The Agency must approve any new or canceled formulations (that were presented to the Agency after the completion of the RED) before data derived from them can be used to cover other products in a batch. Regardless of whether new data is generated or existing data is referenced, registrants must clearly identify the test material by EPA Registration Number. If more than one confidential statement of formula (CSF) exists for a product, the registrant must indicate the formulation actually tested by identifying the corresponding CSF.

In deciding how to meet the product specific data requirements, registrants must follow the directions given in the Data Call-In Notice and its attachments appended to the RED. The DCI Notice contains two response forms which are to be completed and submitted to the Agency within 90 days of receipt. The first form, "Data Call-In Response," asks whether the registrant will meet the data requirements for each product. The second form, "Requirements Status and Registrant's Response," lists the product specific data required for each product, including the standard six acute toxicity tests. A registrant who wishes to participate in a batch must decide whether he/she will provide the data or depend on someone else to do so. If a registrant supplies the data to support a batch of products, he/she must select one of the following options:

Developing Data (Option 1), Submitting an Existing Study (Option 4), Upgrading an Existing Study (Option 5) or Citing an Existing Study (Option 6). If a registrant depends on another's data, he/she must choose among: Cost Sharing (Option 2), Offers to Cost Share (Option 3) or Citing an Existing Study (Option 6). If a registrant does not want to participate in a batch, the choices are Options 1, 4, 5 or 6. However, a registrant should know that choosing not to participate in a batch does not preclude other registrants in the batch from citing his/her studies and offering to cost share (Option 3) those studies.

If a registrant would like to have the batching status of a product reconsidered, he/she needs to submit detailed information on the product, including a detailed rationale for the inclusion of the product into a batch. An MSDS for each "inert" ingredient should be included where possible. However, registrants and manufacturers should realize that the more unusual their formulation is, the less likely it is to be able to batch that product.

Table 1 displays the batches for products containing the active ingredient Benzisothiazolin-3-one.

**Table 1**

Batch	Registration Number	Percent Active Ingredient
1	365-82	Benzisothiazolin-3-one ... 87.6%
	1258-1261	Benzisothiazolin-3-one ... 80.0%
	1258-1268	Benzisothiazolin-3-one ... 84.0%
	1529-36	Benzisothiazolin-3-one ... 82.0%
	73930-1	Benzisothiazolin-3-one ... 83.8%
1A*	1258-1254	Benzisothiazolin-3-one ... 72.0%
	49403-20	Benzisothiazolin-3-one ... 63.0%
	67071-21	Benzisothiazolin-3-one ... 72.0%
2	1258-1255	Benzisothiazolin-3-one ... 19.3%
	1258-1260	Benzisothiazolin-3-one ... 19.3%
	1529-34	Benzisothiazolin-3-one ... 19.0%
	49403-14	Benzisothiazolin-3-one ... 18.0%
	67071-22	Benzisothiazolin-3-one ... 20.0%
	67071-23	Benzisothiazolin-3-one ... 20.0%

	70465-3	Benzisothiazolin-3-one ... 19.8%
	80285-2	Benzisothiazolin-3-one ... 19.0%
	80285-3	Benzisothiazolin-3-one ... 19.0%
3	1258-1256	Benzisothiazolin-3-one ... 9.0%
	1258-1262	Benzisothiazolin-3-one ... 9.0%
	1258-1284	Benzisothiazolin-3-one ... 9.25%
	1529-39	Benzisothiazolin-3-one ... 8.5%
	5383-107	Benzisothiazolin-3-one ... 9.5%
	49403-26	Benzisothiazolin-3-one ... 8.5%
	67071-24	Benzisothiazolin-3-one ... 10.0%
	67071-25	Benzisothiazolin-3-one ... 10.0%
	80285-1	Benzisothiazolin-3-one ... 9.0%
4†	1258-1289	Benzisothiazolin-3-one ... 7.0%
	49403-27	Benzisothiazolin-3-one ... 7.0%

\*Batch 1A: The three products placed in Batch 1A may cite data from any of the products in Batch #1. Otherwise, the products may be considered to be in the “No Batch” Group.

†Batch 4: The two products placed in Batch 4 may cite each other’s eye irritation data only if the data indicate corrosiveness.

Table 2 lists the products that fall into the “No Batch” group. These products can not be batched because they were not considered to be similar to the other products in terms of acute toxicity or because there was insufficient information available to assist in making the decision. Registrants of these products may only cite data obtained from the specific product itself to support the acute toxicity data requirements for that product. No other product data will suffice.

**Table 2. No Batch Group**

Registration Number	Percent Active Ingredient(s)
707-295	Benzisothiazolin-3-one ... 12.0%
	Bronopol ... 10.0%
1258-1248	Benzisothiazolin-3-one ... 4.5%
	Hexahydro-1,3,5-tris(2-hydroxythyl)-S-triazine ... 50.5%
1258-1257	Benzisothiazolin-3-one ... 12.0%
	Zinc 2-Pyridinethiol-1-oxide ... 8.0%
1258-1290	Benzisothiazolin-3-one ... 13.5%
	Bronopol ... 6.5%
3090-217	Benzisothiazolin-3-one ... 0.9%
	Octhilinone ... 2.25%
5383-111	Benzisothiazolin-3-one ... 10.9%
	1,3,-Bis(hydroxymethyl)-5,5-dimethylhydantoin ... 12.5%
	Hydroxymethyl-5,5-dimethylhydantoin ... 2.9%
6836-306	Benzisothiazolin-3-one ... 1.1%
	1,3,-Bis(hydroxymethyl)-5,5-dimethylhydantoin ... 29.4%
	Hydroxymethyl-5,5-dimethylhydantoin ... 27.9%
6836-307	Benzisothiazolin-3-one ... 1.1%
	1,3,-Bis(hydroxymethyl)-5,5-dimethylhydantoin ... 29.4%
	Hydroxymethyl-5,5-dimethylhydantoin ... 27.9%
39967-39	Benzisothiazolin-3-one ... 6.0%
	1,2-dibromo-2,4-dicyanobutane ... 19.0%

49403-28	Benzisothiazolin-3-one	... 5.0%
	5-Chloro-2-Methyl-4-isothiazolin-3-one	... 0.74%
	2-Methyl-4-isothiazolin-3-one	... 0.26%
67071-29	Benzisothiazolin-3-one	... 2.5%
	2-Methyl-4-isothiazolin-3-one	... 2.5%
67071-45	Benzisothiazolin-3-one	... 5.0%
	2-Methyl-4-isothiazolin-3-one	... 5.0%
	Bronopol	... 15.0%
68575-2	Benzisothiazolin-3-one	... 4.5%



## **Appendix H. List of All Registrants Sent the Data Call-In**

A list of registrants sent the Data Call-In will be posted at a later date.

## Appendix I. List of Available Related Documents and Electronically Available Forms

Pesticide Registration Forms are available at the following EPA internet site:

<http://www.epa.gov/opprd001/forms/>.

Pesticide Registration Forms (These forms are in PDF format and require the Acrobat reader)

### Instructions

1. Print out and complete the forms. (Note: Form numbers that are bolded can be filled out on your computer then printed.)
2. The completed form(s) should be submitted in hardcopy in accord with the existing policy.
3. Mail the forms, along with any additional documents necessary to comply with EPA regulations covering your request, to the address below for the Document Processing Desk.

DO NOT fax or e-mail any form containing ‘Confidential Business Information’ or ‘Sensitive Information.’

If you have any problems accessing these forms, please contact Nicole Williams at (703) 308-5551 or by e-mail at [williams.nicole@epamail.epa.gov](mailto:williams.nicole@epamail.epa.gov).

The following Agency Pesticide Registration Forms are currently available via the internet at the following locations:

8570-1	Application for Pesticide Registration/Amendment	<a href="http://www.epa.gov/opprd001/forms/8570-1.pdf">http://www.epa.gov/opprd001/forms/8570-1.pdf</a>
8570-4	Confidential Statement of Formula	<a href="http://www.epa.gov/opprd001/forms/8570-4.pdf">http://www.epa.gov/opprd001/forms/8570-4.pdf</a>
8570-5	Notice of Supplemental Registration of Distribution of a Registered Pesticide Product	<a href="http://www.epa.gov/opprd001/forms/8570-5.pdf">http://www.epa.gov/opprd001/forms/8570-5.pdf</a>
8570-17	Application for an Experimental Use Permit	<a href="http://www.epa.gov/opprd001/forms/8570-17.pdf">http://www.epa.gov/opprd001/forms/8570-17.pdf</a>
8570-25	Application for/Notification of State Registration of a Pesticide To Meet a Special Local Need	<a href="http://www.epa.gov/opprd001/forms/8570-25.pdf">http://www.epa.gov/opprd001/forms/8570-25.pdf</a>
8570-27	Formulator’s Exemption Statement	<a href="http://www.epa.gov/opprd001/forms/8570-27.pdf">http://www.epa.gov/opprd001/forms/8570-27.pdf</a>
8570-28	Certification of Compliance with Data Gap Procedures	<a href="http://www.epa.gov/opprd001/forms/8570-28.pdf">http://www.epa.gov/opprd001/forms/8570-28.pdf</a>
8570-30	Pesticide Registration Maintenance Fee Filing	<a href="http://www.epa.gov/opprd001/forms/8570-30.pdf">http://www.epa.gov/opprd001/forms/8570-30.pdf</a>
8570-32	Certification of Attempt to Enter into an Agreement with other Registrants for Development of Data	<a href="http://www.epa.gov/opprd001/forms/8570-32.pdf">http://www.epa.gov/opprd001/forms/8570-32.pdf</a>
8570-34	Certification with Respect to Citations of Data (in PR Notice 98-5)	<a href="http://www.epa.gov/opppmsd1/PR_Notices/pr98-5.pdf">http://www.epa.gov/opppmsd1/PR_Notices/pr98-5.pdf</a>
8570-35	Data Matrix (in PR Notice 98-5)	<a href="http://www.epa.gov/opppmsd1/PR_Notices/pr98-5.pdf">http://www.epa.gov/opppmsd1/PR_Notices/pr98-5.pdf</a>
8570-36	Summary of the Physical/Chemical Properties (in PR Notice 98-1)	<a href="http://www.epa.gov/opppmsd1/PR_Notices/pr98-1.pdf">http://www.epa.gov/opppmsd1/PR_Notices/pr98-1.pdf</a>

8570-37	Self-Certification Statement for the Physical/Chemical Properties (in PR Notice 98-1)	<a href="http://www.epa.gov/opppmsd1/PR_Notices/pr98-1.pdf">http://www.epa.gov/opppmsd1/PR_Notices/pr98-1.pdf</a>
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## **Pesticide Registration Kit**

[www.epa.gov/pesticides/registrationkit/](http://www.epa.gov/pesticides/registrationkit/).

Dear Registrant:

For your convenience, we have assembled an online registration kit that contains the following pertinent forms and information needed to register a pesticide product with the U.S. Environmental Protection Agency's Office of Pesticide Programs (OPP):

1. The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Federal Food, Drug and Cosmetic Act (FFDCA) as Amended by the Food Quality Protection Act (FQPA) of 1996.
2. Pesticide Registration (PR) Notices
  - a. 83-3 Label Improvement Program—Storage and Disposal Statements
  - b. 84-1 Clarification of Label Improvement Program
  - c. 86-5 Standard Format for Data Submitted under FIFRA
  - d. 87-1 Label Improvement Program for Pesticides Applied through Irrigation Systems (Chemigation)
  - e. 87-6 Inert Ingredients in Pesticide Products Policy Statement
  - f. 90-1 Inert Ingredients in Pesticide Products; Revised Policy Statement
  - g. 95-2 Notifications, Non-notifications, and Minor Formulation Amendments
  - h. 98-1 Self Certification of Product Chemistry Data with Attachments (This document is in PDF format and requires the Acrobat reader.)

Other PR Notices can be found at [http://www.epa.gov/opppmsd1/PR\\_Notices](http://www.epa.gov/opppmsd1/PR_Notices).

3. Pesticide Product Registration Application Forms (These forms are in PDF format and will require the Acrobat reader.)
  - a. EPA Form No. 8570-1, Application for Pesticide Registration/Amendment
  - b. EPA Form No. 8570-4, Confidential Statement of Formula
  - c. EPA Form No. 8570-27, Formulator's Exemption Statement
  - d. EPA Form No. 8570-34, Certification with Respect to Citations of Data

- e. EPA Form No. 8570-35, Data Matrix
4. General Pesticide Information (Some of these forms are in PDF format and will require the Acrobat reader.)
- a. Registration Division Personnel Contact List
  - b. Biopesticides and Pollution Prevention Division (BPPD) Contacts
  - c. Antimicrobials Division Organizational Structure/Contact List
  - d. 53 F.R. 15952, Pesticide Registration Procedures; Pesticide Data Requirements (PDF format)
  - e. 40 CFR Part 156, Labeling Requirements for Pesticides and Devices (PDF format)
  - f. 40 CFR Part 158, Data Requirements for Registration (PDF format)
  - g. 50 F.R. 48833, Disclosure of Reviews of Pesticide Data (November 27, 1985)

Before submitting your application for registration, you may wish to consult some additional sources of information. These include:

- 1. The Office of Pesticide Programs' Web Site
- 2. The booklet "General Information on Applying for Registration of Pesticides in the United States", PB92-221811, available through the National Technical Information Service (NTIS) at the following address:

National Technical Information Service (NTIS)  
5285 Port Royal Road  
Springfield, VA 22161

The telephone number for NTIS is (703) 605-6000. Please note that EPA is currently in the process of updating this booklet to reflect the changes in the registration program resulting from the passage of the FQPA and the reorganization of the Office of Pesticide Programs. We anticipate that this publication will become available during the Fall of 1998.

- 3. The National Pesticide Information Retrieval System (NPIRS) of Purdue University's Center for Environmental and Regulatory Information Systems. This service does charge a fee for subscriptions and custom searches. You can contact NPIRS by telephone at (765) 494-6614 or through their Web site.
- 4. The National Pesticide Telecommunications Network (NPTN) can provide information on active ingredients, uses, toxicology, and chemistry of pesticides. You can contact NPTN by telephone at (800) 858-7378 or through their Web site: [ace.orst.edu/info/nptn](http://ace.orst.edu/info/nptn).

The Agency will return a notice of receipt of an application for registration or amended registration, experimental use permit, or amendment to a petition if the applicant or petitioner encloses with his submission a stamped, self-addressed postcard. The postcard must contain the following entries to be completed by OPP:

Date of receipt  
EPA identifying number  
Product Manager assignment

Other identifying information may be included by the applicant to link the acknowledgment of receipt to the specific application submitted. EPA will stamp the date of receipt and provide the EPA identifying File Symbol or petition number for the new submission. The identifying number should be used whenever you contact the Agency concerning an application for registration, experimental use permit, or tolerance petition. To assist us in ensuring that all data you have submitted for the chemical are properly coded and assigned to your company, please include a list of all synonyms, common and trade names, company experimental codes, and other names which identify the chemical (including "blind" codes used when a sample was submitted for testing by commercial or academic facilities). Please provide a CAS number if one has been assigned.

