

# Biocide Standards Reference Guide

**Main Group I:  
Disinfectants &  
General Biocidal Products**



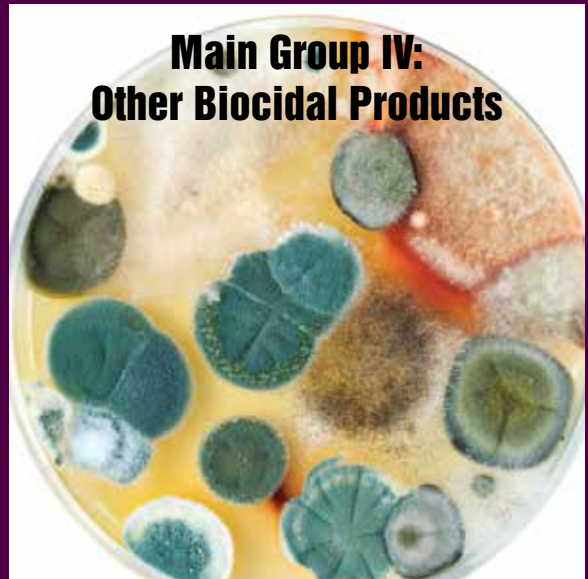
**Main Group II:  
Preservatives**



**Main Group III:  
Pest Control**



**Main Group IV:  
Other Biocidal Products**



**AccuStandard®**

A biocide can be defined as a chemical or micro-organism which prevents, controls and/or renders harmless organisms through chemical or biological means. Biocides are used wherever organisms may cause product contamination or a health threat to people and/or animals. Biocides can be added to other materials to protect them against biological growth or infestation. "Treated articles" are included within the biocides regulations and are subject to the same requirements as biocides.

Biocides are used by workers in all types of industries to control viruses, bacteria, fungi, insects and animals. The intended use and chemical potency of biocides require that their use, storage and disposal be controlled to prevent adverse effects to the public and/or environment. To ensure the safety of biocides, government regulations are in place to assess the active substances within commercial products. One such regulation is the Biological Products Directive 98/8/EC (BPD) which has been recently revised and is now designated as EU Biocides Regulation 528/2012 (EU BPR). Under this legislation, active compounds are submitted for approval on the list of Approved Active Substances. This regulation went into effect in September 2013, and classifies biocides into 22 biocide product types, grouped into four main areas.

## Biological Products Directive Biocides

### **Main Group I** **Disinfectants and** **general biocidal products**

#### **Product Type**

1. Human hygiene biocidal products
2. Private area and public health area disinfectants and other biocidal products
3. Veterinary hygiene biocidal products
4. Food and feed area disinfectants
5. Drinking water disinfectants

### **Main Group II** **Preservatives**

#### **Product Type**

6. In-can preservatives
7. Film preservatives
8. Wood preservatives
9. Fiber, leather, rubber & polymerized material preservatives
10. Masonry preservatives
11. Preservatives for liquid-cooling and processing systems
12. Slimicides
13. Metalworking-fluid preservatives

The names and descriptions of the product types have been updated and the classes have been reduced from 23 in the 98/8 regulation to 22 in the new model. The difference is that preservatives for food and feedstock are no longer under the scope of the Biocides Regulation.

AccuStandard acknowledges the recently adopted regulation, but has chosen to use the classification system described in the Biological Products Directive 98/8/EC (BPD) which divides biocides into 23 product types within four major groupings. This is primarily because the basic tenet of requiring assessment of the active substance for effectiveness and safety for humans and the environment remains the same as in the original directive.

Consequently, the classification system in this catalog divides the biocides into 23 product types within four main groupings. The devised flowchart can be used as a screening tool to quickly assess which category applies to a particular biocide compound.

## Regulation 98/8/EC (BPD) revised 2012 Biocides

### Main Group III Pest control

#### Product Type

14. Rodenticides
15. Avicides
16. Molluscicides
17. Piscicides
18. Insecticides, acaricides and products to control other arthropods
19. Repellents and attractants

### Main Group IV Other biocidal products

#### Product Type

20. Preservatives for food or feedstocks
21. Anti-fouling products
22. Embalming and taxidermist fluids
23. Control of other vertebrates

Due to stability issues these compounds are  
**NOT AVAILABLE**

2-Butanone peroxide  
Formaldehyde  
Hydrogen chloride  
Hydrogen peroxide  
Carbon dioxide  
Chlorhexidine digluconate  
Chlorine  
Difethialone  
Glyoxal  
Sulphur dioxide  
Sodium hypochlorite  
Sulphuryl difluoride  
Sodium dichloroisocyanurate

## Biocidal Product Types and their Descriptions as Referred to in Article 2(1)(a) of this Directive

### MAIN GROUP I: Disinfectants and general biocidal products

These product types exclude cleaning products that are not intended to have a biocidal effect, including washing liquids, powders and similar products.

#### Product-type 1: Human hygiene biocidal products

Products in this group are biocidal products used for human hygiene purposes.

#### Product-type 2: Private and public health areas disinfectants and other biocidal products

Products used for the disinfection of air, surfaces, materials, equipment and furniture which are not used for direct food or feed contact in private, public and industrial areas, including hospitals, as well as products used as algacides.

Usage areas include, inter alia, swimming pools, aquariums, bathing and other waters; air monitoring systems; walls and floors in health and other institutions; chemical toilets, waste water, hospital waste, soil or other substrates (in playgrounds).

#### Product-type 3: Veterinary hygiene biocidal products

Products in this group are biocidal products used for veterinary hygiene purposes including products used in areas in which animals are housed, kept or transported.

#### Product-type 4: Food and feed areas disinfectants

Products used for the disinfection of equipment, containers, consumption utensils, surfaces or pipework associated with the production, transport, storage or consumption of food, feed or drink (including drinking water) for humans and animals.

#### Product-type 5: Drinking water disinfectants

Products used for the disinfection of drinking water (for both humans and animals).



## MAIN GROUP II: Preservatives

### **Product-type 6:** In-can preservatives

Products used for the preservation of manufactured products, other than foodstuffs or feedstocks, in containers by the control of microbial deterioration to ensure their shelf life.

### **Product-type 7:** Film preservatives

Products used for the preservation of films or coatings by the control of microbial deterioration in order to protect the initial properties of the surface of materials or objects such as paints, plastics, sealants, wall adhesives, binders, papers, and art works.

### **Product-type 8:** Wood preservatives

Products used for the preservation of wood, from and including the saw-mill stage, or wood products by the control of wood-destroying or wood-disfiguring organisms.

This product type includes both preventive and curative products.

### **Product-type 9:** Fiber, leather, rubber and polymerized materials preservatives

Products used for the preservation of fibrous or polymerized materials, such as leather, rubber or paper or textile products by the control of microbiological deterioration.

### **Product-type 10:** Masonry preservatives

Products used for preservation and remedial treatment of masonry or other construction materials other than wood by the control of microbiological and algal attack.

### **Product-type 11:** Preservatives for liquid-cooling and processing systems

Products used for the preservation of water or other liquids used in cooling and processing systems by the control of harmful organisms such as microbes, algae and mussels.

Products used for the preservation of drinking water are not included in this product type.

### **Product-type 12:** Slimicides

Products used for the prevention or control of slime growth on materials, equipment and structures used in industrial processes, e.g., on wood and paper pulp, porous sand strata in oil extraction.

### **Product-type 13:** Metalworking-fluid preservatives

Products used for the preservation of metalworking-fluids by the control of microbial deterioration.



## MAIN GROUP III: Pest control

### **Product-type 14:** Rodenticides

Products used for the control of mice, rats or other rodents.

### **Product-type 15:** Avicides

Products used for the control of birds.

### **Product-type 16:** Molluscicides

Products used for the control of molluscs.

### **Product-type 17:** Piscicides

Products used for the control of fish; these products exclude products for the treatment of fish diseases.

### **Product-type 18:** Insecticides, acaricides and products to control other arthropods

Products used for the control of arthropods (e.g. insects, arachnids and crustaceans).

### **Product-type 19:** Repellents and attractants

Products used to control harmful organisms (invertebrates such as fleas, vertebrates such as birds), by repelling or attracting, including those that are used for human or veterinary hygiene either directly or indirectly.



## MAIN GROUP IV: Other biocidal products

### **Product-type 20:** Preservatives for food or feedstocks

Products used for the preservation of food or feedstocks by the control of harmful organisms.

### **Product-type 21:** Anti-fouling products

Products used to control the growth and settlement of fouling organisms (microbes and higher forms of plant or animal species) on vessels, aquaculture equipment or other structures used in water.

### **Product-type 22:** Embalming and taxidermist fluids

Products used for the disinfection and preservation of human or animal corpses, or parts thereof.

### **Product-type 23:** Control of other vertebrates

Products used for the control of vermin.





<b>Abamectin</b>					
BIOC-236N-10MG	10 mg		<p>(i) R = CH(CH<sub>3</sub>)<sub>2</sub></p> <p>(ii) R = H<sub>3</sub>C-CH(CH<sub>3</sub>)-CH<sub>2</sub>-CH<sub>3</sub></p>	GROUP	III
				USES	18
CAS 71751-41-2					
<b>Acetamiprid</b>					
BIOC-237N-10MG	10 mg			GROUP	III
				USES	18
CAS 135410-20-7	MF C <sub>10</sub> H <sub>11</sub> ClN <sub>4</sub>	MW 222.67			
<b>Allethrin</b>					
BIOC-239N-10MG	10 mg			GROUP	III
				USES	18
CAS 584-79-2	MF C <sub>19</sub> H <sub>26</sub> O <sub>3</sub>	MW 302.41			
<b>Ammonium bromide</b>					
BIOC-095N-10MG	10 mg		<p>NH<sub>4</sub>Br</p>	GROUP	I, II
				USES	2, 4, 6, 7, 9, 11, 12
CAS 1212-97-9	MF BrH <sub>4</sub> N	MW 97.94			
<b>Ammonium sulfate</b>					
BIOC-168N	100 mg		<p>(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub></p>	GROUP	II
				USES	11, 12
CAS 7783-20-2	MF H <sub>8</sub> N <sub>2</sub> O <sub>4</sub> S	MW 132.14			
<b>Azamethiphos</b>					
BIOC-215N-10MG	10 mg			GROUP	III
				USES	18
CAS 35575-96-3	MF C <sub>9</sub> H <sub>10</sub> ClN <sub>2</sub> O <sub>5</sub> PS	MW 324.68			
<b>Bendiocarb</b>					
BIOC-211N-10MG	10 mg			GROUP	III
				USES	18
CAS 22781-23-3	MF C <sub>11</sub> H <sub>13</sub> NO <sub>4</sub>	MW 223.23			
<b>Benzalkonium chloride (Tech)</b>					
BIOC-052N	100 mg			GROUP	I, II, III, IV
				USES	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 17, 22
CAS 63449-41-2	MF C <sub>19</sub> H <sub>34</sub> ClN	MW 311.93			

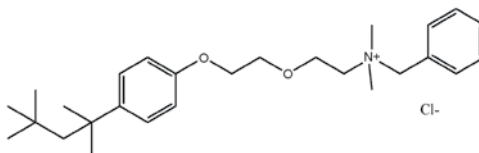


# Biocides

## Benzethonium chloride

BIOC-018N-25MG 25 mg

CAS 121-54-0 MF C<sub>27</sub>H<sub>42</sub>ClNO<sub>2</sub> MW 448.08



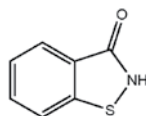
GROUP I

USES 1

## 1,2-Benzisothiazol-3(2H)-one

BIOC-082S-W 19.3% wt. in Water 1 mL

CAS 2634-33-5 MF C<sub>7</sub>H<sub>5</sub>NOS MW 151.19



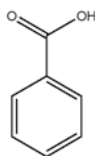
GROUP I, II, IV

USES 2, 6, 7, 9, 10, 11, 12, 13, 22

## Benzoic acid

BIOC-006N-25MG 25 mg

CAS 65-85-0 MF C<sub>7</sub>H<sub>6</sub>O<sub>2</sub> MW 122.12



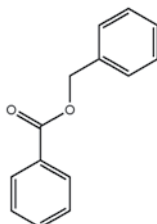
GROUP I, II, IV

USES 1, 2, 3, 4, 6, 11, 20

## Benzyl benzoate

BIOC-067N 100 mg

CAS 120-51-4 MF C<sub>14</sub>H<sub>12</sub>O<sub>2</sub> MW 212.24



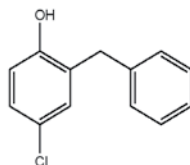
GROUP I, III

USES 2, 18

## 2-Benzyl-4-chlorophenol

BIOC-017N 100 mg

CAS 120-32-1 MF C<sub>13</sub>H<sub>11</sub>ClO MW 156.61



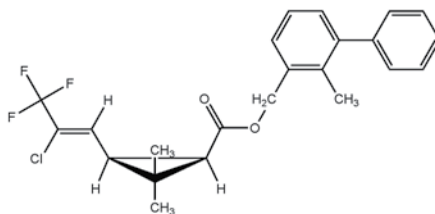
GROUP I, II

USES 1, 2, 3, 4, 6

## Bifenthrin

BIOC-161N-10MG 10 mg

CAS 82657-04-3 MF C<sub>23</sub>H<sub>22</sub>ClF<sub>3</sub>O<sub>2</sub> MW 422.87



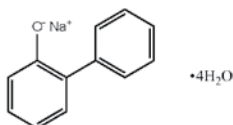
GROUP II, III

USES 8, 18

## 2-Biphenylol sodium salt tetrahydrate

BIOC-022N 100 mg

CAS 132-27-4 MF C<sub>12</sub>H<sub>17</sub>NaO<sub>5</sub> MW 264.25

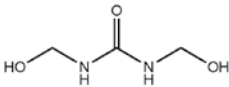
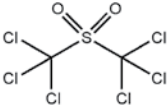
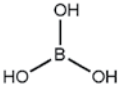
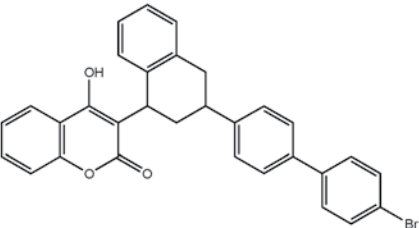
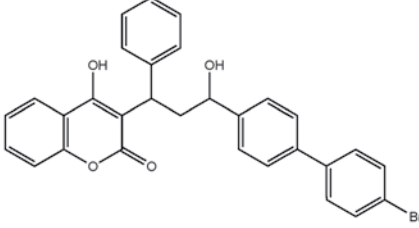
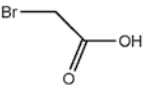
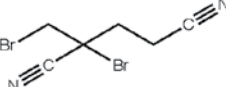
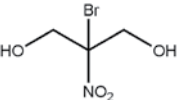
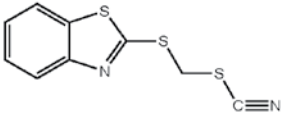


GROUP I, II

USES 1, 2, 3, 4, 6, 7, 9, 10, 13

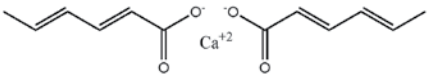
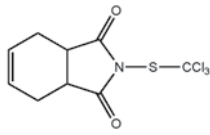
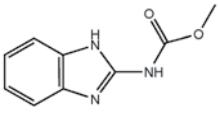
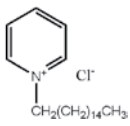
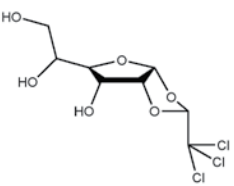
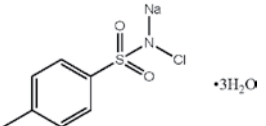




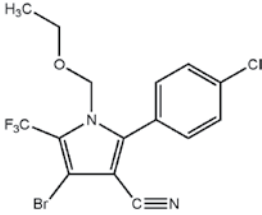
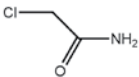
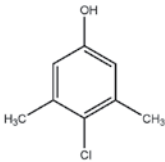
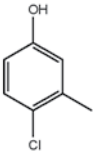
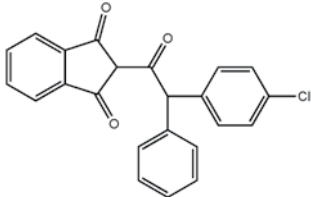
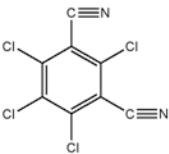
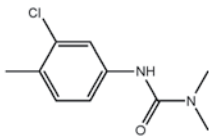
<b>N,N'-Bis(hydroxymethyl)urea (MFG)</b>		
BIOC-074N	100 mg	
		
CAS 140-95-4	MF C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub>	MW 120.11
		<b>GROUP</b> I, II
		<b>USES</b> 2, 6, 9, 11, 12, 13
<b>Bis(trichloromethyl) sulphone</b>		
BIOC-128N-10MG	10 mg	
		
CAS 3064-70-8	MF C <sub>2</sub> Cl <sub>6</sub> O <sub>2</sub> S	MW 300.80
		<b>GROUP</b> II, IV
		<b>USES</b> 6, 9, 10, 11, 12, 22
<b>Boric acid</b>		
BIOC-044N-1G	1 gram	
		
CAS 10043-35-3	MF BH <sub>3</sub> O <sub>3</sub>	MW 142.98
		<b>GROUP</b> I, II, III, IV
		<b>USES</b> 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 13, 18, 22
<b>Brodifacoum</b>		
BIOC-180N-10MG	10 mg	
		
CAS 56073-10-0	MF C <sub>31</sub> H <sub>23</sub> BrO <sub>3</sub>	MW 523.42
		<b>GROUP</b> III
		<b>USES</b> 14
<b>Bromadiolone</b>		
BIOC-178N-10MG	10 mg	
		
CAS 28772-56-7	MF C <sub>30</sub> H <sub>23</sub> BrO <sub>4</sub>	MW 527.41
		<b>GROUP</b> III
		<b>USES</b> 14
<b>Bromoacetic acid</b>		
BIOC-114N	100 mg	
		
CAS 79-08-3	MF C <sub>2</sub> H <sub>3</sub> BrO <sub>2</sub>	MW 138.95
		<b>GROUP</b> I
		<b>USES</b> 4
<b>2-Bromo-2-(bromomethyl)pentanedinitrile</b>		
BIOC-136N	100 mg	
		
CAS 35691-65-7	MF C <sub>6</sub> H <sub>6</sub> Br <sub>2</sub> N <sub>2</sub>	MW 265.93
		<b>GROUP</b> II
		<b>USES</b> 6, 7, 9, 10, 11, 13
<b>2-Bromo-2-nitropropane-1,3-diol</b>		
BIOC-002N-25MG	25 mg	
		
CAS 52-51-7	MF C <sub>27</sub> H <sub>42</sub> ClNO <sub>2</sub>	MW 448.08
		<b>GROUP</b> I, II, IV
		<b>USES</b> 1, 2, 3, 4, 6, 7, 9, 10, 11, 12, 13, 22
<b>Busan (TCMTB)</b>		
BIOC-097S-CN	100 µg/mL in Acetonitrile	1 mL
		
CAS 21564-17-0	MF C <sub>9</sub> H <sub>6</sub> N <sub>2</sub> S <sub>3</sub>	MW 238.36
		<b>GROUP</b> I, II
		<b>USES</b> 2, 4, 6, 7, 9, 10, 11, 12, 13



# Biocides

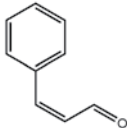
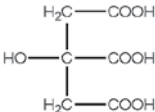
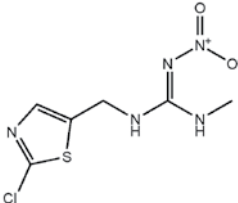
<b>Calcium hydroxide</b>				
BIOC-078N	100 mg		$\text{Ca(OH)}_2$	GROUP I USES 2, 3
CAS 1305-62-0 MF $\text{CaH}_2\text{O}_2$ MW 74.09				
<b>Calcium hypochlorite</b>				
BIOC-041N	100 mg		$\text{Ca(OCl)}_2$	GROUP I, II USES 1, 2, 3, 4, 5, 11
CAS 7778-54-3 MF $\text{CaCl}_2\text{O}_2$ MW 142.98				
<b>Calcium oxide</b>				
BIOC-079N	100 mg		CaO	GROUP I USES 2, 3
CAS 1305-78-8 MF CaO MW 56.08				
<b>Calcium sorbate</b>				
BIOC-032N	100 mg			GROUP I, II, IV USES 1, 3, 6, 7, 9, 20
CAS 7492-55-9 MF $\text{C}_{12}\text{H}_{14}\text{CaO}_4$ MW 315.58				
<b>Captan</b>				
BIOC-122N-10MG	10 mg			GROUP II USES 6, 7, 9, 10
CAS 133-06-2 MF $\text{C}_9\text{H}_8\text{Cl}_3\text{NO}_2\text{S}$ MW 300.59				
<b>Carbendazim</b>				
BIOC-133N-10MG	10 mg			GROUP II USES 6, 7, 9, 10, 11, 12, 13
CAS 10605-21-7 MF $\text{C}_9\text{H}_9\text{N}_3\text{O}_2$ MW 191.19				
<b>Cetylpyridinium chloride</b>				
BIOC-020N	100 mg			GROUP I, II, IV USES 1, 2, 3, 4, 5, 6, 7, 9, 20
CAS 123-03-5 MF $\text{C}_{21}\text{H}_{38}\text{ClN}$ MW 339.99				
<b>Chloralose</b>				
BIOC-177N-10MG	10 mg			GROUP III, IV USES 14, 15, 23
CAS 15879-93-3 MF $\text{C}_8\text{H}_{11}\text{Cl}_3\text{O}_6$ MW 309.53				
<b>Chloramine T trihydrate</b>				
BIOC-021N	100 mg			GROUP I, II USES 1, 2, 3, 4, 5, 6, 9, 10, 11
CAS 7080-50-4 MF $\text{C}_7\text{H}_7\text{ClNNaO}_2\text{S} \cdot 3\text{H}_2\text{O}$ MW 281.69				



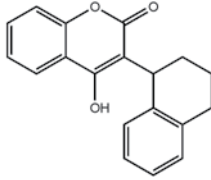
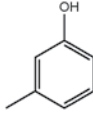
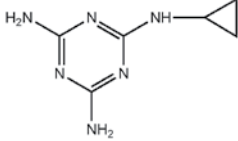
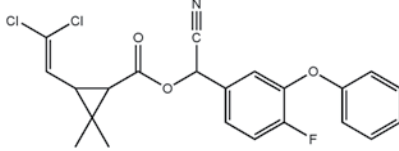
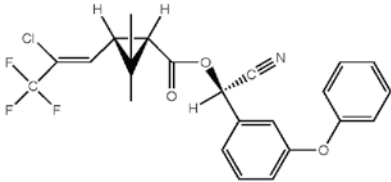
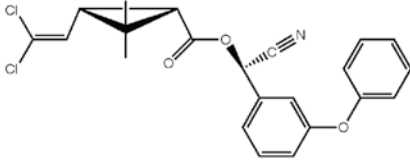
<b>Chlorfenapyr</b>				
<b>BIOC-143N-10MG</b>	10 mg		<b>GROUP</b>	II, III
			<b>USES</b>	6, 7, 8, 9, 10, 12, 13, 18
<b>CAS 122453-73-0 MF C<sub>15</sub>H<sub>11</sub>BrClF<sub>3</sub>N<sub>2</sub>O MW 407.61</b>				
				
<b>Chloroacetamide</b>				
<b>BIOC-109N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</b>	3, 6, 7, 9, 10, 11, 13
<b>CAS 79-07-2 MF C<sub>2</sub>H<sub>4</sub>ClNO MW 93.51</b>				
				
<b>4-Chloro-3,5-dimethylphenol</b>				
<b>BIOC-012N-25MG</b>	25 mg		<b>GROUP</b>	I, II
			<b>USES</b>	1, 2, 3, 4, 5, 6
<b>CAS 88-04-0 MF C<sub>8</sub>H<sub>9</sub>ClO MW 156.61</b>				
				
<b>4-Chloro-3-methylphenol</b>				
<b>BIOC-003N-25MG</b>	25 mg		<b>GROUP</b>	I, II
			<b>USES</b>	1, 2, 3, 4, 6, 9, 10, 13
<b>CAS 59-50-7 MF C<sub>7</sub>H<sub>7</sub>ClO MW 142.58</b>				
				
<b>Chlorophacinone</b>				
<b>BIOC-175N-10MG</b>	10 mg		<b>GROUP</b>	III
			<b>USES</b>	14
<b>CAS 3691-35-8 MF C<sub>23</sub>H<sub>15</sub>ClO<sub>3</sub> MW 374.82</b>				
				
<b>Chlorothalonil</b>				
<b>BIOC-126N-10MG</b>	10 mg		<b>GROUP</b>	II
			<b>USES</b>	6, 7, 9, 10
<b>CAS 1897-45-6 MF C<sub>8</sub>Cl<sub>4</sub>N<sub>2</sub> MW 265.91</b>				
				
<b>Chlorotoluron</b>				
<b>BIOC-134N-10MG</b>	10 mg		<b>GROUP</b>	II
			<b>USES</b>	6, 7, 9, 10, 11, 12, 13
<b>CAS 15545-48-9 MF C<sub>10</sub>H<sub>13</sub>ClN<sub>2</sub>O MW 212.68</b>				
				



# Biocides

<b>Cinnamal</b>					
BIOC-062N	100 mg				<b>GROUP</b> I
					<b>USES</b> 2
CAS 104-55-2 MF C <sub>9</sub> H <sub>8</sub> O MW 132.16					
<b>Citric acid</b>					
BIOC-010N-25MG	25 mg				<b>GROUP</b> I
					<b>USES</b> 1, 2, 3
CAS 77-92-9 MF C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> MW 192.12					
<b>Clothianidin</b>					
BIOC-112N-10MG	10 mg				<b>GROUP</b> I, II, III
					<b>USES</b> 3, 8, 18
CAS 210880-92-5 MF C <sub>6</sub> H <sub>8</sub> ClN <sub>5</sub> O <sub>2</sub> S MW 249.68					
<b>Copper</b>					
BIOC-089S	1000 µg/mL in	100 mL			<b>GROUP</b> I, II, IV
	tr. Nitric acid			Cu	<b>USES</b> 2, 4, 5, 11, 21
CAS 7440-50-8 MF Cu MW 63.55					
<b>Copper (II) carbonate basic</b>					
BIOC-154N	100 mg				<b>GROUP</b> II
				CuCO <sub>3</sub> · Cu(OH) <sub>2</sub>	<b>USES</b> 8
CAS 12069-69-1 MF Cu <sub>2</sub> CO <sub>3</sub> H <sub>2</sub> MW 221.12					
<b>Copper dihydroxide</b>					
BIOC-155N	100 mg				<b>GROUP</b> II
				Cu(OH) <sub>2</sub>	<b>USES</b> 8
CAS 20427-59-2 MF Cu <sub>2</sub> H <sub>2</sub> O <sub>2</sub> MW 97.56					
<b>Copper (I) oxide</b>					
BIOC-151N	100 mg				<b>GROUP</b> II
				Cu <sub>2</sub> O	<b>USES</b> 8
CAS 1317-39-1 MF Cu <sub>2</sub> O MW 143.09					
<b>Copper (II) oxide</b>					
BIOC-203N	100 mg				<b>GROUP</b> IV
				CuO	<b>USES</b> 21
CAS 1317-38-0 MF CuO MW 79.55					
<b>Copper (II) sulfate</b>					
BIOC-039N-1G	1 gram				<b>GROUP</b> I
				CuSO <sub>4</sub>	<b>USES</b> 1, 2, 4
CAS 7758-98-7 MF CuSO <sub>4</sub> MW 159.61					
<b>Copper thiocyanate</b>					
BIOC-202N	100 mg				<b>GROUP</b> III, IV
				Cu—S—C≡N	<b>USES</b> 19, 21
CAS 1111-67-7 MF CuSCN MW 121.63					



<b>Coumatetralyl</b>				
<b>BIOC-176N-10MG</b>	10 mg			<b>GROUP</b> III <b>USES</b> 14
<b>CAS 5836-29-3 MF C<sub>19</sub>H<sub>16</sub>O<sub>3</sub> MW 292.33</b>				
<b>Creosote from beechwood tar</b>				
<b>BIOC-153N</b>	100 mg		Product is a mixture of many chemicals created by burning of beech woods	<b>GROUP</b> II <b>USES</b> 8
<b>CAS 8021-39-4</b>				
<b>m-Cresol</b>				
<b>BIOC-064N</b>	100 mg			<b>GROUP</b> I <b>USES</b> 2, 3
<b>CAS 108-39-4 MF C<sub>7</sub>H<sub>8</sub>O MW 108.14</b>				
<b>Cyanamide</b>				
<b>BIOC-110N</b>	100 mg		$\text{H}_2\text{N}-\text{C}\equiv\text{N}$	<b>GROUP</b> I, III <b>USES</b> 3, 18
<b>CAS 420-04-2 MF CH<sub>2</sub>N<sub>2</sub> MW 42.04</b>				
<b>N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine</b>				
<b>BIOC-221N-10MG</b>	10 mg			<b>GROUP</b> III <b>USES</b> 18
<b>CAS 66215-27-8 MF C<sub>6</sub>H<sub>10</sub>O<sub>6</sub> MW 166.18</b>				
<b>Cyfluthrin</b>				
<b>BIOC-222N-10MG</b>	10 mg			<b>GROUP</b> III <b>USES</b> 18
<b>CAS 68359-37-5 MF C<sub>22</sub>H<sub>18</sub>Cl<sub>2</sub>FNO<sub>3</sub> MW 434.29</b>				
<b>L-Cyhalothrin</b>				
<b>BIOC-227N-10MG</b>	10 mg			<b>GROUP</b> III <b>USES</b> 18
<b>CAS 91465-08-6 MF C<sub>23</sub>H<sub>19</sub>ClF<sub>3</sub>NO<sub>3</sub> MW 449.85</b>				
<b>alpha-Cypermethrin</b>				
<b>BIOC-142N-10MG</b>	10 mg			<b>GROUP</b> II, III <b>USES</b> 6, 9, 18
<b>CAS 67375-30-8 MF C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub> MW 416.30</b>				

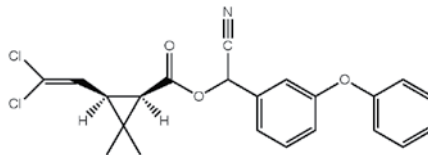


# Biocides

## Cypermethrin

<b>BIOC-156N-10MG</b>	10 mg	
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CAS 52315-07-8 MF C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub> MW 416.30

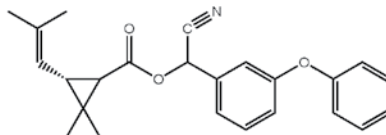


<b>GROUP</b>	II, III
<b>USES</b>	8, 9, 18

## Cyphenothrin

<b>BIOC-216N-10MG</b>	10 mg	
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CAS 39515-40-7 MF C<sub>24</sub>H<sub>25</sub>NO<sub>3</sub> MW 375.46

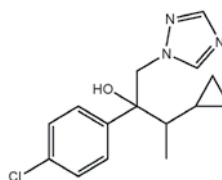


<b>GROUP</b>	III
<b>USES</b>	18

## Cyproconazole

<b>BIOC-162S</b>	100 µg/mL in Methanol	1 mL
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CAS 94361-06-5 MF C<sub>15</sub>H<sub>18</sub>ClN<sub>3</sub>O MW 291.78

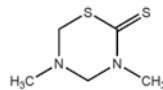


<b>GROUP</b>	II
<b>USES</b>	8

## Dazomet

<b>BIOC-125N-10MG</b>	10 mg	
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CAS 533-74-4 MF C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>S<sub>2</sub> MW 162.28

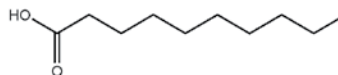


<b>GROUP</b>	I, II
<b>USES</b>	6, 7, 8, 9, 10, 11, 12

## Decanoic acid

<b>BIOC-116N *</b>	100 mg	
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CAS 334-48-5 MF C<sub>10</sub>H<sub>20</sub>O<sub>2</sub> MW 172.26

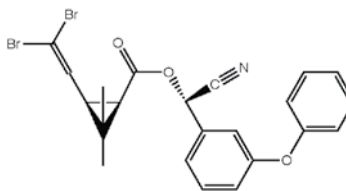


<b>GROUP</b>	I, III
<b>USES</b>	4, 18, 19

## Deltamethrin

<b>BIOC-218N-10MG</b>	10 mg	
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CAS 52918-63-5 MF C<sub>22</sub>H<sub>19</sub>Br<sub>2</sub>NO<sub>3</sub> MW 505.20

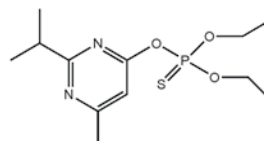


<b>GROUP</b>	III
<b>USES</b>	18

## Diazinon

<b>BIOC-201N-10MG</b>	10 mg	
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CAS 333-41-5 MF C<sub>12</sub>H<sub>21</sub>N<sub>2</sub>O<sub>3</sub>PS MW 304.35

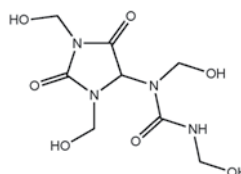


<b>GROUP</b>	III
<b>USES</b>	18

## Diazolidinyl urea

<b>BIOC-140N</b>	100 mg	
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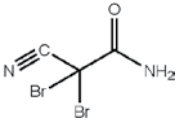
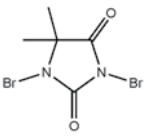
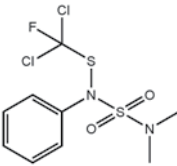
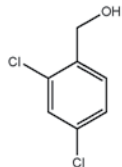
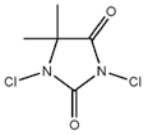
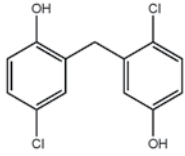
CAS 78491-02-8 MF C<sub>8</sub>H<sub>14</sub>N<sub>4</sub>O<sub>7</sub> MW 278.22



<b>GROUP</b>	II
<b>USES</b>	6, 7

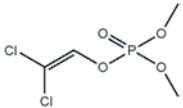
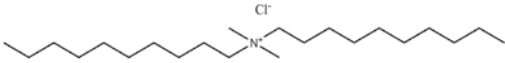
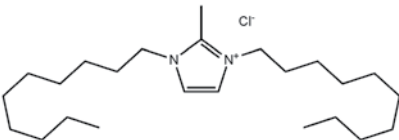
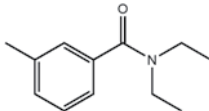
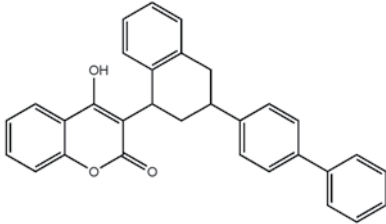
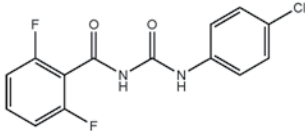
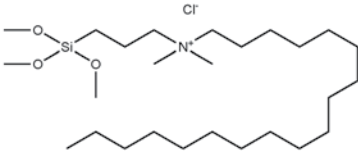
\* To delay premature breakdown of thermally labile products in transit a ColdPAK is required.



<b>Diboron trioxide</b>				
BIOC-150N	100 mg		$B_2O_3$	<b>GROUP</b> II
				<b>USES</b> 8
CAS 1303-86-2 MF $B_2O_3$ MW 69.62				
<b>2,2-Dibromo-2-cyanoacetamide</b>				
BIOC-046N	100 mg			<b>GROUP</b> I, II
				<b>USES</b> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13
CAS 10222-01-2 MF $C_3H_2Br_2N_2O$ MW 241.87				
<b>1,3-Dibromo-5,5-dimethylhydantoin</b>				
BIOC-057N	100 mg			<b>GROUP</b> I, II
				<b>USES</b> 2, 11, 12
CAS 77-48-5 MF $C_5H_6Br_2N_2O_2$ MW 285.92				
<b>Dichlofluamid</b>				
BIOC-146N-10MG	10 mg			<b>GROUP</b> II, IV
				<b>USES</b> 7, 8, 10, 21
CAS 1085-98-9 MF $C_9H_{11}Cl_2FN_2O_2S_2$ MW 333.23				
<b>2,4-Dichlorobenzyl alcohol</b>				
BIOC-081N	100 mg			<b>GROUP</b> I, II
				<b>USES</b> 2, 6, 7, 9, 10, 12, 13
CAS 1777-82-8 MF $C_7H_6Cl_2O$ MW 177.03				
<b>1,3-Dichloro-5,5-dimethylhydantoin</b>				
BIOC-066N-1G	1 gram			<b>GROUP</b> I, II
				<b>USES</b> 2, 11, 12
CAS 118-52-5 MF $C_5H_6Cl_2H_2O_2$ MW 197.02				
<b>Dichlorophen</b>				
BIOC-061N-10MG	10 mg			<b>GROUP</b> I, II
				<b>USES</b> 2, 3, 4, 6, 7, 9, 10, 11, 12, 13
CAS 97-23-4 MF $C_{13}H_{10}Cl_2O_2$ MW 269.12				

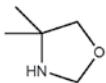
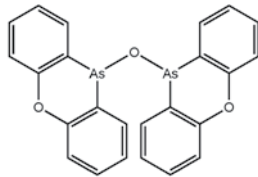
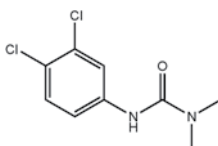
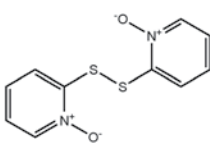
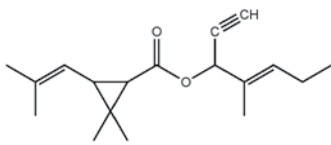
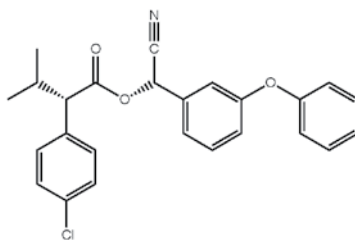


# Biocides

<b>Dichlorvos</b>					
BIOC-185N-10MG	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
CAS 62-73-7 MF C <sub>4</sub> H <sub>7</sub> Cl <sub>2</sub> O <sub>4</sub> P MW 220.98					
<b>Didecyldimethylammonium chloride</b>					
BIOC-030N-10MG	10 mg			<b>GROUP</b>	I, II
				<b>USES</b>	1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13
CAS 7173-51-5 MF C <sub>22</sub> H <sub>46</sub> ClN MW 362.08					
<b>1,3-Didecyl-2-methyl-1H-imidazolium chloride</b>					
BIOC-103N	100 mg			<b>GROUP</b>	I, II
				<b>USES</b>	2, 3, 4, 6, 7, 10, 11, 12, 13
CAS 70862-65-6 MF C <sub>24</sub> H <sub>47</sub> ClN <sub>2</sub> MW 399.10					
<b>N,N-Diethyl-m-toluamide (DEET, OFF)</b>					
BIOC-196N-10MG	10 mg			<b>GROUP</b>	III, IV
				<b>USES</b>	19, 22
CAS 134-62-3 MF C <sub>12</sub> H <sub>17</sub> NO MW 191.27					
<b>Difenacoum</b>					
BIOC-179S-D	100 µg/mL in Dichloromethane	1 mL		<b>GROUP</b>	III
				<b>USES</b>	14
CAS 56073-07-5 MF C <sub>31</sub> H <sub>24</sub> O <sub>3</sub> MW 444.52					
<b>Diflubenzuron</b>					
BIOC-214N-10MG	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
CAS 35367-38-5 MF C <sub>14</sub> H <sub>9</sub> ClF <sub>2</sub> N <sub>2</sub> O <sub>2</sub> MW 310.68					
<b>Dimethyloctadecyl[3-(trimethoxysilyl)propyl ammonium chloride]</b>					
BIOC-098N	100 mg			<b>GROUP</b>	I, II
				<b>USES</b>	2, 7, 9, 10
CAS 27668-52-6 MF C <sub>26</sub> H <sub>58</sub> ClNO <sub>3</sub> Si <sub>2</sub> MW 496.28					

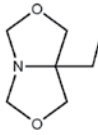
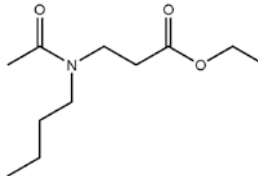

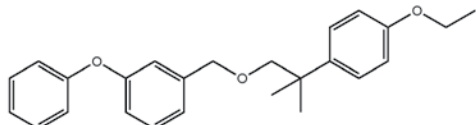
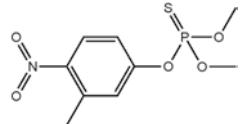
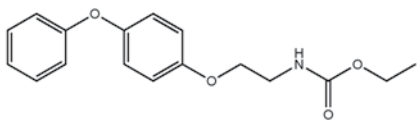
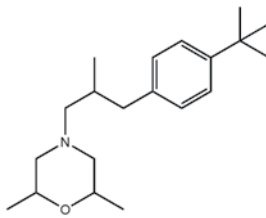




<b>4,4-Dimethyloxazolidine</b>				
BIOC-137N-10MG	10 mg			<b>GROUP</b> II
				<b>USES</b> 6, 11, 12, 13
CAS 51200-87-4 MF C <sub>5</sub> H <sub>11</sub> NO MW 101.15				
<b>Diphenoxarsin-10-yl oxide</b>				
BIOC-163N	100 mg			<b>GROUP</b> II
				<b>USES</b> 9
CAS 58-36-6 MF C <sub>24</sub> H <sub>16</sub> As <sub>2</sub> O <sub>3</sub> MW 502.23				
<b>Dipotassium disulfite</b>				
BIOC-047N-1G	1 gram		$K_2S_2O_5$	<b>GROUP</b> I, II, IV
				<b>USES</b> 1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22
CAS 16731-55-8 MF K <sub>2</sub> O <sub>5</sub> S <sub>2</sub> MW 222.32				
<b>Diuron (Karmex)</b>				
BIOC-124N-10MG	10 mg			<b>GROUP</b> II
				<b>USES</b> 6, 7, 10
CAS 330-54-1 MF C <sub>9</sub> H <sub>10</sub> Cl <sub>2</sub> N <sub>2</sub> O MW 233.09				
<b>Disilver oxide</b>				
BIOC-169N	100 mg		$Ag_2O$	<b>GROUP</b> II
				<b>USES</b> 11
CAS 20667-12-3 MF Ag <sub>2</sub> O MW 231.74				
<b>2,2'-Dithiobis(pyridine-N-oxide)</b>				
BIOC-165N-10MG	10 mg			<b>GROUP</b> II
				<b>USES</b> 9
CAS 3696-28-4 MF C <sub>10</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> MW 252.31				
<b>Empenthrin</b>				
BIOC-219N-10MG	10 mg			<b>GROUP</b> III
				<b>USES</b> 18
CAS 54406-48-3 MF C <sub>18</sub> H <sub>26</sub> O <sub>2</sub> MW 274.40				
<b>Esfenvalerate</b>				
BIOC-235N-10MG	10 mg			<b>GROUP</b> III
				<b>USES</b> 18
CAS 66230-04-4 MF C <sub>25</sub> H <sub>22</sub> ClNO <sub>3</sub> MW 419.90				



# Biocides

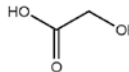
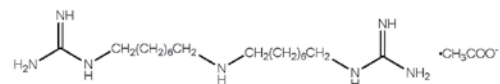
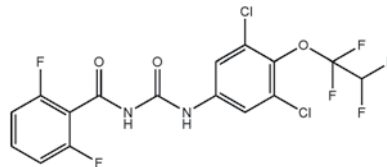
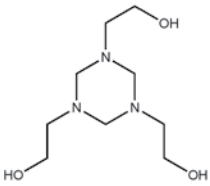
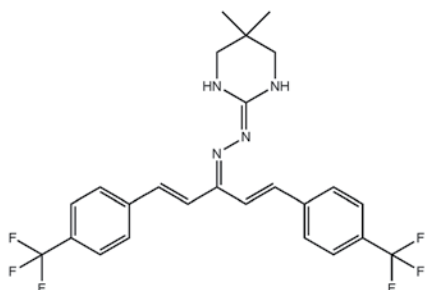
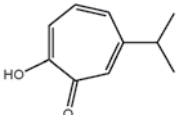
<b>Ethanol</b>		
BIOC-004N-25MG	25 mg	
<chem>CH3CH2OH</chem>		
CAS 64-17-5	MF C <sub>2</sub> H <sub>6</sub> O	MW 46.07
		<b>GROUP</b> I
		<b>USES</b> 1, 2, 3, 4
<b>5-Ethyl-1-aza-3,7-dioxabicyclo[3,3,0]octane</b>		
BIOC-132N	100 mg	
		
CAS 7747-35-5	MF C <sub>7</sub> H <sub>13</sub> NO <sub>2</sub>	MW 143.18
		<b>GROUP</b> II
		<b>USES</b> 6, 11, 12, 13
<b>Ethyl butylacetylaminopropionate</b>		
BIOC-217S	100 µg/mL in Methanol	1 mL
		
CAS 52304-36-6	MF C <sub>11</sub> H <sub>21</sub> NO <sub>3</sub>	MW 215.29
		<b>GROUP</b> III
		<b>USES</b> 18
<b>Ethylene oxide</b>		
BIOC-056S-TP	5 mg/mL in Isooctane	1 mL
		
CAS 75-21-8	MF C <sub>2</sub> H <sub>4</sub> O	MW 44.05
		<b>GROUP</b> I, IV
		<b>USES</b> 2, 20
<b>Etofenprox</b>		
BIOC-106N-10MG	10 mg	
		
CAS 80844-07-1	MF C <sub>25</sub> H <sub>28</sub> O <sub>3</sub>	MW 376.49
		<b>GROUP</b> I, II, III
		<b>USES</b> 2, 3, 8, 18
<b>Fenitrothion</b>		
BIOC-191S	100 µg/mL in Methanol	1 mL
		
CAS 122-14-5	MF C <sub>9</sub> H <sub>12</sub> NO <sub>5</sub> PS	MW 277.24
		<b>GROUP</b> III
		<b>USES</b> 18
<b>Fenoxycarb</b>		
BIOC-157N-10MG	10 mg	
		
CAS 72490-01-8	MF C <sub>17</sub> H <sub>19</sub> NO <sub>4</sub>	MW 301.34
		<b>GROUP</b> II
		<b>USES</b> 8
<b>Fenpropimorph</b>		
BIOC-139N-10MG	10 mg	
		
CAS 67564-91-4	MF C <sub>20</sub> H <sub>33</sub> NO	MW 303.48
		<b>GROUP</b> II
		<b>USES</b> 6, 7, 8, 9, 10, 12, 13



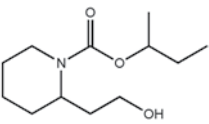
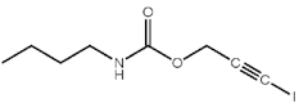
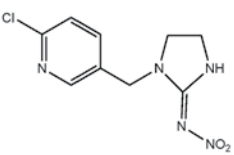
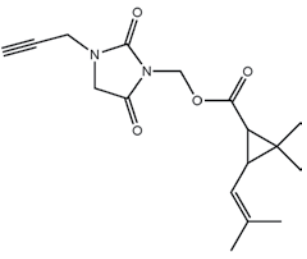
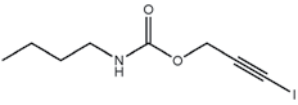
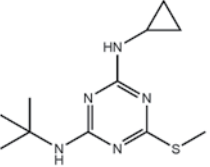
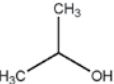
<b>Fipronil</b>			<b>GROUP</b>	III
<b>BIOC-229N-10MG</b>	10 mg		<b>USES</b>	18
CAS 120068-37-3 MF C <sub>12</sub> H <sub>4</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>4</sub> OS MW 437.15				
<b>Flocoumafen</b>			<b>GROUP</b>	III
<b>BIOC-181S</b>	100 µg/mL in Methanol	1 mL	<b>USES</b>	14
CAS 90035-08-8 MF C <sub>33</sub> H <sub>25</sub> F <sub>3</sub> O <sub>4</sub> MW 542.54				
<b>Flufenoxuron</b>			<b>GROUP</b>	II, III
<b>BIOC-158N-10MG</b>	10 mg		<b>USES</b>	8, 18
CAS 101463-69-8 MF C <sub>21</sub> H <sub>11</sub> ClF <sub>4</sub> N <sub>2</sub> O <sub>3</sub> MW 488.77				
<b>Fluometuron</b>			<b>GROUP</b>	II
<b>BIOC-127N-10MG</b>	10 mg		<b>USES</b>	6, 7, 9, 10, 11, 12, 13
CAS 2164-17-2 MF C <sub>10</sub> H <sub>11</sub> F <sub>3</sub> N <sub>2</sub> O MW 232.20				
<b>Folpet</b>			<b>GROUP</b>	II
<b>BIOC-123N-10MG</b>	10 mg		<b>USES</b>	6, 7, 9, 10
CAS 133-07-3 MF C <sub>9</sub> H <sub>4</sub> Cl <sub>3</sub> NO <sub>2</sub> S MW 296.56				
<b>Formic acid</b>			<b>GROUP</b>	I, II
<b>BIOC-005N-25MG</b>	25 mg		<b>USES</b>	1, 2, 3, 4, 5, 6, 9, 11, 12, 13
CAS 64-18-6 MF CH <sub>2</sub> O <sub>2</sub> MW 46.03				
<b>Geraniol</b>			<b>GROUP</b>	III
<b>BIOC-188N</b>	100 mg		<b>USES</b>	18, 19
CAS 106-24-1 MF C <sub>10</sub> H <sub>18</sub> O MW 154.25				
<b>Gluteraldehyde</b>			<b>GROUP</b>	I, II, IV
<b>BIOC-016S-W</b>	50% wt. in Water	1 mL	<b>USES</b>	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 22
CAS 111-30-8 MF C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> MW 100.12				



# Biocides

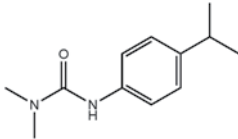
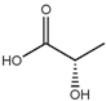
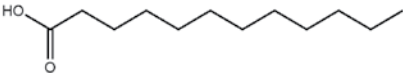
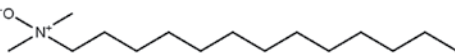
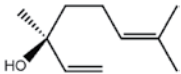
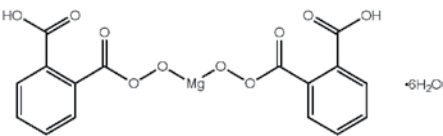
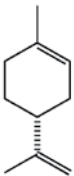
Glycolic acid		
BIOC-058N	100 mg	
		
CAS 79-14-1	MF C <sub>2</sub> H <sub>4</sub> O <sub>3</sub>	MW 76.05
GROUP	I, II	
USES	2, 3, 4, 12	
Guazatine acetate (Tech)		
BIOC-108N-10MG	10 mg	
		
CAS 115044-19-4	MF C <sub>24</sub> H <sub>53</sub> N <sub>7</sub> O <sub>6</sub>	MW 535.72
GROUP	I	
USES	2	
Hexaflumuron		
BIOC-224N-10MG	10 mg	
		
CAS 86479-06-3	MF C <sub>16</sub> H <sub>8</sub> Cl <sub>2</sub> F <sub>6</sub> N <sub>2</sub> O <sub>3</sub>	MW 461.14
GROUP	III	
USES	18	
Hexahydro-1,3,5-tris(hydroxyethyl)triazine		
BIOC-086N	100 mg	
		
CAS 4719-04-4	MF C <sub>9</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub>	MW 219.28
GROUP	I, II	
USES	2, 3, 4, 6, 9, 11, 12, 13	
Hydramethylnon		
BIOC-226S	100 µg/mL in Methanol	1 mL
		
CAS 67485-29-4	MF C <sub>25</sub> H <sub>24</sub> F <sub>6</sub> N <sub>4</sub>	MW 494.48
GROUP	III	
USES	18	
2-Hydroxy-4-isopropyl-2,4,6-cycloheptatrien-1-one		
BIOC-167N	100 mg	
		
CAS 499-44-5	MF C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	MW 164.20
GROUP	II	
USES	10	



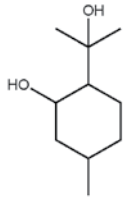
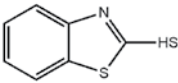
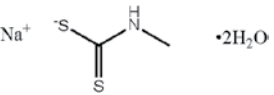
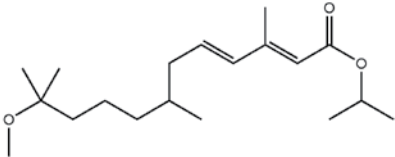
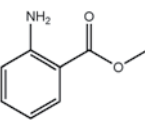
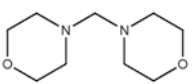
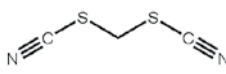
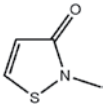
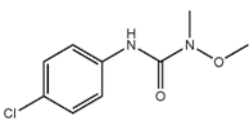
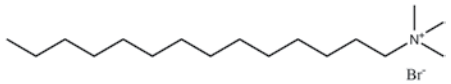
<b>Icaridin</b>				
BIOC-228S-CN	100 µg/mL in Acetonitrile	1 mL		<b>GROUP</b> III
				<b>USES</b> 19
CAS 119515-38-7 MF C <sub>12</sub> H <sub>23</sub> NO <sub>3</sub> MW 229.32				
<b>Imazalil</b>				
BIOC-099N-10MG	10 mg			<b>GROUP</b> I, II, IV
				<b>USES</b> 2, 3, 4, 13, 20
CAS 35554-44-0 MF C <sub>14</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub> O MW 297.18				
<b>Imidacloprid</b>				
BIOC-230N-10MG	10 mg			<b>GROUP</b> III
				<b>USES</b> 18
CAS 138261-41-3 MF C <sub>9</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>2</sub> MW 255.66				
<b>Imiprothrin</b>				
BIOC-231S-CN	100 µg/mL in Acetonitrile	1 mL		<b>GROUP</b> III
				<b>USES</b> 18
CAS 72963-72-5 MF C <sub>17</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub> MW 318.37				
<b>Iodine</b>				
BIOC-033N	100 mg			<b>GROUP</b> I, II, IV
				<b>USES</b> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 22
CAS 7553-56-2 MF I <sub>2</sub> MW 253.81			I <sub>2</sub>	
<b>3-Iodo-2-propynyl butylcarbamate</b>				
BIOC-138N	100 mg			<b>GROUP</b> II
				<b>USES</b> 6, 7, 8, 9, 10, 11, 13
CAS 5546-53-6 MF C <sub>8</sub> H <sub>12</sub> INO <sub>2</sub> MW 281.09				
<b>Irgarol</b>				
BIOC-148N-10MG	10 mg			<b>GROUP</b> II
				<b>USES</b> 7, 9, 10
CAS 28159-98-0 MF C <sub>11</sub> H <sub>19</sub> N <sub>5</sub> S MW 253.37				
<b>Isopropanol</b>				
BIOC-007N-25MG	25 mg			<b>GROUP</b> I, II
				<b>USES</b> 1, 2, 3, 4, 5, 6, 9, 10, 11, 12
CAS 67-63-0 MF C <sub>3</sub> H <sub>8</sub> O MW 60.10				



# Biocides

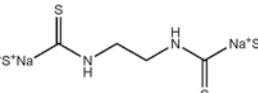
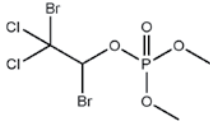
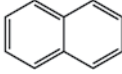
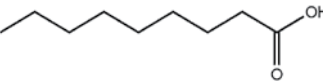
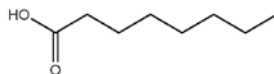
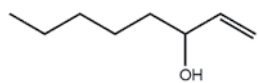
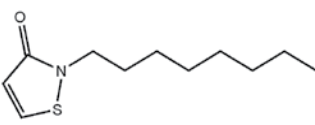

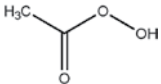
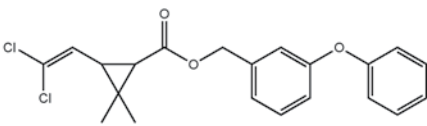
<b>Isoproturon</b>					
BIOC-135N-10MG	10 mg			<b>GROUP</b>	II
				<b>USES</b>	6, 7, 9, 10, 11, 12, 13
CAS 34123-59-6	MF C <sub>12</sub> H <sub>18</sub> N <sub>2</sub> O	MW 206.28			
<b>L-(+)-Lactic acid</b>					
BIOC-059N-50MG	50 mg			<b>GROUP</b>	I, II, IV
				<b>USES</b>	2, 3, 4, 6, 20
CAS 79-33-4	MF C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>	MW 90.08			
<b>Lauric acid</b>					
BIOC-199N	100 mg			<b>GROUP</b>	III
				<b>USES</b>	19
CAS 143-07-7	MF C <sub>12</sub> H <sub>24</sub> O <sub>2</sub>	MW 200.32			
<b>Lauryl dimethylamine oxide</b>					
BIOC-053N	100 mg			<b>GROUP</b>	I
				<b>USES</b>	1, 2
CAS 70592-80-2	MF C <sub>15</sub> H <sub>33</sub> NO	MW 243.43			
<b>Lignin (Alkaline)</b>					
BIOC-043N-1G	1 gram			<b>GROUP</b>	I, II
				<b>USES</b>	1, 2, 3, 4, 6, 7, 9, 10, 11, 12, 13
CAS 9005-53-2			Cross-linked racemic macromolecule Molecular mass in excess of 10,000		
<b>Linalool</b>					
BIOC-186N	100 mg			<b>GROUP</b>	III
				<b>USES</b>	19
CAS 78-70-6	MF C <sub>10</sub> H <sub>18</sub> O	MW 154.25			
<b>Magnesium bis(monoperoxyphthalate) hexahydrate</b>					
BIOC-104N	100 mg			<b>GROUP</b>	I
				<b>USES</b>	2, 3, 4
CAS 84665-66-7	MF C <sub>16</sub> H <sub>22</sub> MgO <sub>16</sub>	MW 494.64			
<b>Margosa extract</b>					
BIOC-223N	100 mg			<b>GROUP</b>	III
				<b>USES</b>	18, 19
CAS 84696-25-3			Plant extract consisting mainly of the limonoids azadirachtin A, azadirachtin B, azadirachtin H, Desacetyl-Nimbin, Desacetyl-Salannin, Nimbin, and Salannin together with co-extracted fatty acids and a small amount of water		
<b>(R)-p-Mentha-1,8-diene</b>					
BIOC-170N	100 mg			<b>GROUP</b>	II
				<b>USES</b>	12
CAS 5989-27-5	MF C <sub>10</sub> H <sub>16</sub>	MW 136.23			



<b>(+)-cis-p-Menthane-3,8-diol</b>					
BIOC-050S-CN	100 µg/mL in Acetonitrile	1 mL		<b>GROUP</b>	I, III
				<b>USES</b>	1, 2, 19
CAS 42822-86-6 MF C <sub>10</sub> H <sub>20</sub> O <sub>2</sub> MW 172.27					
<b>2-Mercaptobenzothiazole</b>					
BIOC-077N-10MG	10 mg			<b>GROUP</b>	I, II
				<b>USES</b>	2, 7, 9, 11, 12, 13
CAS 149-30-4 MF C <sub>7</sub> H <sub>5</sub> NS <sub>2</sub> MW 167.25					
<b>Metam-sodium dihydrate</b>					
BIOC-073N-10MG	10 mg			<b>GROUP</b>	I, II, IV
				<b>USES</b>	2, 4, 6, 9, 11, 12, 13, 20
CAS 6734-80-1 MF C <sub>2</sub> H <sub>8</sub> NNaO <sub>2</sub> S <sub>2</sub> MW 165.21					
<b>S-Methoprene</b>					
BIOC-234S	100 µg/mL in Methanol	1 mL		<b>GROUP</b>	III
				<b>USES</b>	18
CAS 65733-16-6 MF C <sub>19</sub> H <sub>34</sub> O <sub>3</sub> MW 310.47					
<b>Methyl anthranilate</b>					
BIOC-195N	100 mg			<b>GROUP</b>	III
				<b>USES</b>	19
CAS 134-20-3 MF C <sub>8</sub> H <sub>9</sub> NO <sub>2</sub> MW 151.16					
<b>N,N'-Methylenebismorpholine</b>					
BIOC-129S	100 µg/mL in Methanol	1 mL		<b>GROUP</b>	II
				<b>USES</b>	6, 9, 11, 13
CAS 5625-90-1 MF C <sub>9</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub> MW 186.25					
<b>Methylene dithiocyanate</b>					
BIOC-130N	100 mg			<b>GROUP</b>	II, IV
				<b>USES</b>	6, 7, 9, 10, 11, 12, 13, 22
CAS 6317-18-6 MF C <sub>3</sub> H <sub>2</sub> N <sub>2</sub> S <sub>2</sub> MW 130.19					
<b>2-Methyl-2H-isothiazol-3-one</b>					
BIOC-083N-10MG	10 mg			<b>GROUP</b>	I, II, IV
				<b>USES</b>	2, 4, 6, 7, 9, 10, 11, 12, 13, 22
CAS 2682-20-4 MF C <sub>4</sub> H <sub>5</sub> NOS MW 115.15					
<b>Monolinuron</b>					
BIOC-080N-10MG	10 mg			<b>GROUP</b>	I
				<b>USES</b>	2
CAS 1746-81-2 MF C <sub>9</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>2</sub> MW 214.65					
<b>Myristyltrimethylammonium bromide</b>					
BIOC-024N	100 mg			<b>GROUP</b>	I
				<b>USES</b>	1
CAS 1119-97-7 MF C <sub>17</sub> H <sub>38</sub> BrN MW 336.39					



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<b>Nabam</b>					
BIOC-075N-10MG	10 mg				<b>GROUP</b> I, II
					<b>USES</b> 2, 4, 6, 9, 10, 11, 12, 13
CAS 142-59-6 MF C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> Na <sub>2</sub> S <sub>4</sub> MW 256.35					
<b>Naled</b>					
BIOC-200N-10MG	10 mg				<b>GROUP</b> III
					<b>USES</b> 18
CAS 300-76-5 MF C <sub>4</sub> H <sub>7</sub> Br <sub>2</sub> Cl <sub>2</sub> O <sub>4</sub> P MW 380.78					
<b>Naphthalene</b>					
BIOC-187N	100 mg				<b>GROUP</b> III
					<b>USES</b> 19
CAS 91-20-3 MF C <sub>10</sub> H <sub>8</sub> MW 128.17					
<b>Nonanoic acid</b>					
BIOC-065N	100 mg				<b>GROUP</b> I, II, III
					<b>USES</b> 2, 10, 19
CAS 112-05-0 MF C <sub>9</sub> H <sub>18</sub> O <sub>2</sub> MW 158.24					
<b>Octanoic acid</b>					
BIOC-115N	100 mg				<b>GROUP</b> I, III
					<b>USES</b> 4, 18
CAS 124-07-2 MF C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> MW 144.21					
<b>Oct-1-ene-3-ol</b>					
BIOC-205N	100 mg				<b>GROUP</b> III
					<b>USES</b> 19
CAS 3391-86-4 MF C <sub>8</sub> H <sub>16</sub> O MW 128.21					
<b>2-Octyl-2H-isothiazol-3-one</b>					
BIOC-119N-10MG	10 mg				<b>GROUP</b> I, II
					<b>USES</b> 4, 6, 7, 9, 10, 11, 12, 13
CAS 26530-20-1 MF C <sub>11</sub> H <sub>19</sub> NOS MW 213.34					
<b>Orthophosphoric acid</b>					
BIOC-117N-1G	1 gram				<b>GROUP</b> I
					<b>USES</b> 4
CAS 7664-38-2 MF H <sub>3</sub> O <sub>4</sub> P MW 98.00			$H_3PO_4$		
<b>Oxazolidine</b>					
BIOC-102S	100 µg/mL in Methanol	1 mL			<b>GROUP</b> I, II
					<b>USES</b> 2, 6, 10, 11, 12, 13
CAS 121776-33-8 MF C <sub>3</sub> H <sub>7</sub> NO MW 73.09					
<b>Peracetic acid</b>					
BIOC-011N	100 mg				<b>GROUP</b> I, II
					<b>USES</b> 1, 2, 3, 4, 5, 6, 11, 12
CAS 79-21-0 MF C <sub>2</sub> H <sub>4</sub> O <sub>3</sub> MW 76.05					
<b>Permethrin</b>					
BIOC-100N-10MG	10 mg				<b>GROUP</b> I, II, III, IV
					<b>USES</b> 2, 3, 5, 8, 9, 18, 22
CAS 52645-53-1 MF C <sub>21</sub> H <sub>20</sub> Cl <sub>2</sub> O <sub>3</sub> MW 391.29					

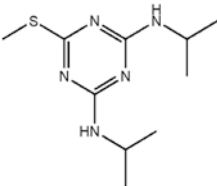
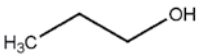
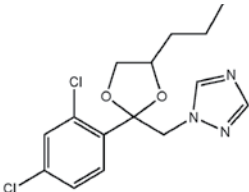
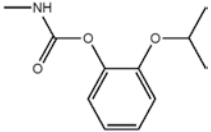
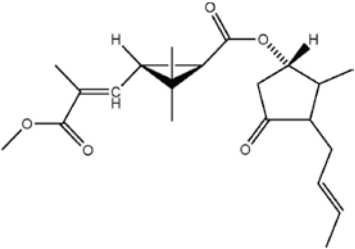
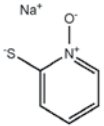
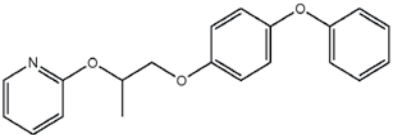
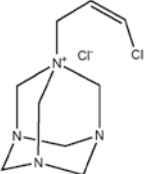




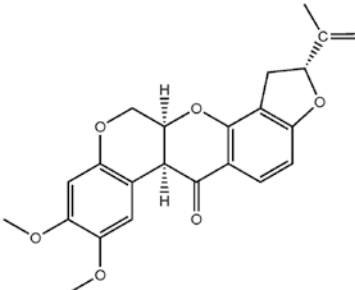
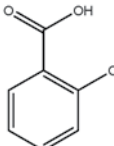
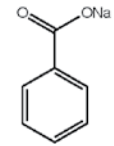
<b>2-Phenoxyethanol</b>					
BIOC-019N-25MG	25 mg			GROUP	I, II
				USES	1, 2, 3, 4, 6, 7, 10, 11, 13
CAS 122-99-6 MF C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> MW 138.16					
<b>o-Phenylphenol</b>					
BIOC-013N-25MG	25 mg			GROUP	I, II
				USES	1, 2, 3, 4, 6, 7, 9, 10, 13
CAS 90-43-7 MF C <sub>12</sub> H <sub>10</sub> O MW 170.21					
<b>Piperonyl butoxide</b>					
BIOC-184N-10MG	10 mg			GROUP	III
				USES	18, 19
CAS 51-03-6 MF C <sub>19</sub> H <sub>30</sub> O <sub>5</sub> MW 338.44					
<b>Poly(vinylpyrrolidone) iodine complex</b>					
BIOC-055N	100 mg			GROUP	I, II, III, IV
				USES	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 22
CAS 25655-41-8 MF C <sub>4</sub> H <sub>6</sub> NO(CHCH <sub>2</sub> ) <sub>n</sub> • I <sub>2</sub>					
<b>Potassium dimethyl dithiocarbamate</b>					
BIOC-069N-50MG	50 mg			GROUP	I, II
				USES	2, 4, 6, 9, 10, 11, 12, 13
CAS 128-03-0 MF C <sub>3</sub> H <sub>6</sub> KNS <sub>2</sub> MW 159.32					
<b>Potassium monopersulfate triple salt</b>					
BIOC-054N-1G	1 gram		$\text{KHSO}_5 \cdot \frac{1}{2}\text{KHSO}_4 \cdot \frac{1}{2}\text{K}_2\text{SO}_4$	GROUP	I, II
				USES	1, 2, 3, 4, 5, 11, 12
CAS 70693-62-8 MF KHSO <sub>5</sub> • .5KHSO <sub>4</sub> • .5K <sub>2</sub> SO <sub>4</sub> MW 307.38					
<b>Potassium permanganate</b>					
BIOC-121N	100 mg			GROUP	I
				USES	5
CAS 7722-64-7 MF KMnO <sub>4</sub> MW 158.03					
<b>Potassium sorbate</b>					
BIOC-049N	100 mg			GROUP	I, II
				USES	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
CAS 24634-61-5 MF C <sub>6</sub> H <sub>7</sub> KO <sub>2</sub> MW 150.22					
<b>Potassium sulfite</b>					
BIOC-045N	100 mg		$\text{K}_2\text{SO}_3$	GROUP	I, II, IV
				USES	1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22
CAS 10117-38-1 MF K <sub>2</sub> O <sub>3</sub> S MW 158.26					
<b>Prallethrin</b>					
BIOC-212S	100 µg/mL in Methanol	1 mL		GROUP	III
				USES	18
CAS 23031-36-9 MF C <sub>19</sub> H <sub>24</sub> O <sub>3</sub> MW 300.39					



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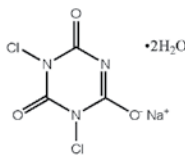
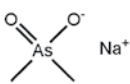
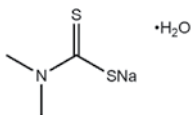
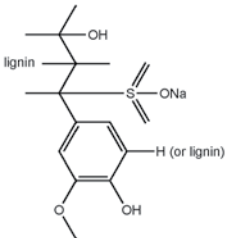
<b>Prometryne</b>				<b>GROUP</b>	II
<b>BIOC-131N-10MG</b>	10 mg	<b>USES</b>		6, 7, 9, 10, 11, 12, 13	
<b>CAS 7287-19-6 MF C<sub>10</sub>H<sub>19</sub>N<sub>5</sub>S MW 241.36</b>					
<b>1-Propanol</b>				<b>GROUP</b>	I
<b>BIOC-009N-25MG</b>	25 mg	<b>USES</b>		1, 2, 3, 4	
<b>CAS 71-23-8 MF C<sub>3</sub>H<sub>8</sub>O MW 60.10</b>					
<b>Propiconazole</b>				<b>GROUP</b>	I, II, IV
<b>BIOC-051N-10MG</b>	10 mg	<b>USES</b>		1, 2, 4, 7, 8, 9, 10, 12, 13, 20	
<b>CAS 60207-90-1 MF C<sub>15</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub> MW 342.22</b>					
<b>Propoxur</b>				<b>GROUP</b>	III
<b>BIOC-190N-10MG</b>	10 mg	<b>USES</b>		18	
<b>CAS 114-26-1 MF C<sub>11</sub>H<sub>15</sub>NO<sub>3</sub> MW 209.24</b>					
<b>Pyrethrins (Tech Mix)</b>				<b>GROUP</b>	III
<b>BIOC-209N-10MG</b>	10 mg	<b>USES</b>		18, 19	
<b>CAS 8003-34-7 MF C<sub>21</sub>H<sub>30</sub>O<sub>5</sub> MW 362.46</b>					
<b>Pyridine-2-thiol-1-oxide, sodium salt</b>				<b>GROUP</b>	I, II
<b>BIOC-085N-10MG</b>	10 mg	<b>USES</b>		2, 3, 4, 6, 7, 9, 10, 11, 12, 13	
<b>CAS 3811-73-2 MF C<sub>5</sub>H<sub>4</sub>NNaOS MW 149.15</b>					
<b>Pyriproxyfen</b>				<b>GROUP</b>	III
<b>BIOC-232N-10MG</b>	10 mg	<b>USES</b>		18	
<b>CAS 95737-68-1 MF C<sub>20</sub>H<sub>19</sub>NO<sub>3</sub> MW 321.37</b>					
<b>Quaternium-15</b>				<b>GROUP</b>	II
<b>BIOC-141N</b>	100 mg	<b>USES</b>		6, 9, 12, 13	
<b>CAS 51229-78-8 MF C<sub>9</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>4</sub> MW 251.16</b>					



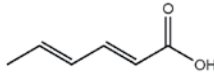
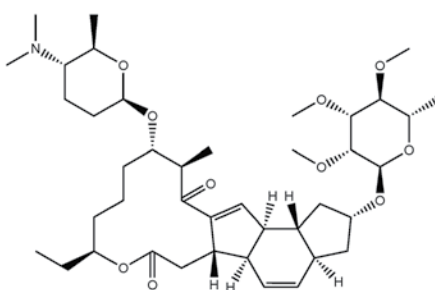
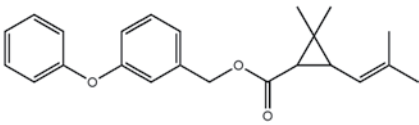
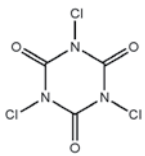
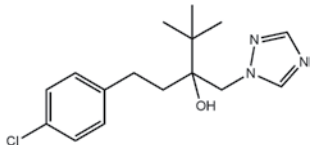
<b>Rotenone</b>				<b>GROUP</b>	III
<b>BIOC-183N-10MG</b>	10 mg			<b>USES</b>	17
<b>CAS 83-79-4 MF C<sub>23</sub>H<sub>22</sub>O<sub>6</sub> MW 394.42</b>					
					
<b>Salicylic acid</b>				<b>GROUP</b>	I, II
<b>BIOC-008N-25MG</b>	25 mg			<b>USES</b>	1, 2, 3, 4, 6
<b>CAS 69-72-7 MF C<sub>7</sub>H<sub>6</sub>O<sub>3</sub> MW 138.12</b>					
					
<b>Silicium dioxide</b>				<b>GROUP</b>	III
<b>BIOC-233N</b>	100 mg			<b>USES</b>	18
<b>CAS 61790-53-2</b>					
			A form of silicon dioxide composed of skeletons of prehistoric aquatic plants		
<b>Silicon dioxide</b>				<b>GROUP</b>	I, III, IV
<b>BIOC-111N</b>	100 mg			<b>USES</b>	3, 18, 20
<b>CAS 7631-86-9 MF SiO<sub>2</sub> MW 60.08</b>					
			SiO <sub>2</sub>		
<b>Silver</b>				<b>GROUP</b>	I, II
<b>BIOC-088S</b>	1000 µg/mL in	100 mL		<b>USES</b>	2, 4, 5, 9, 11
	tr. Nitric acid in Water				
<b>CAS 7440-22-4 MF Ag MW 107.87</b>					
			Ag		
<b>Silver chloride</b>				<b>GROUP</b>	I, II
<b>BIOC-042N</b>	100 mg			<b>USES</b>	1, 2, 3, 4, 5, 6, 7, 9, 10, 11 13
<b>CAS 7783-90-6 MF AgCl MW 143.32</b>					
			AgCl		
<b>Silver nitrate</b>				<b>GROUP</b>	I
<b>BIOC-040N</b>	100 mg			<b>USES</b>	1
<b>CAS 7761-88-8 MF AgNO<sub>3</sub> MW 169.87</b>					
			AgNO <sub>3</sub>		
<b>Sodium benzoate</b>				<b>GROUP</b>	I, II, IV
<b>BIOC-023N</b>	100 mg			<b>USES</b>	1, 2, 6, 11, 20
<b>CAS 532-32-1 MF C<sub>7</sub>H<sub>5</sub>NaO<sub>2</sub> MW 144.10</b>					
					
<b>Sodium bisulfite</b>				<b>GROUP</b>	I, II, IV
<b>BIOC-034N-1G</b>	1 gram			<b>USES</b>	1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22
<b>CAS 7631-90-5 MF HNaO<sub>3</sub>S MW 104.06</b>					
			NaHSO <sub>3</sub>		



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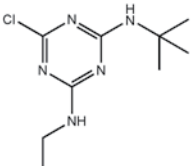
Sodium bromide					
BIOC-091N	100 mg		NaBr	GROUP	I, II
				USES	2, 4, 6, 7, 9, 11, 12, 13
CAS 7647-15-6 MF NaBr MW 102.89					
Sodium chlorate					
BIOC-093N	100 mg		NaClO <sub>3</sub>	GROUP	I, II
				USES	2, 5, 11, 12
CAS 7775-09-9 MF NaClO <sub>3</sub> MW 106.44					
Sodium chloride					
BIOC-120N	100 mg		NaCl	GROUP	I
				USES	5
CAS 7647-14-5 MF NaCl MW 58.44					
Sodium chlorite					
BIOC-092N	100 mg		NaClO <sub>2</sub>	GROUP	I, II, IV
				USES	2, 3, 4, 5, 11, 12, 20
CAS 7758-19-2 MF NaClO <sub>2</sub> MW 90.44					
Sodium dichloroisocyanurate dihydrate					
BIOC-028N	100 mg			GROUP	I, II
				USES	1, 2, 3, 4, 5, 6, 9, 11, 12
CAS 51580-86-0 MF C <sub>3</sub> H <sub>4</sub> Cl <sub>2</sub> N <sub>3</sub> NaO <sub>5</sub> MW 255.98					
Sodium dimethylarsinate					
BIOC-194N-10MG	10 mg			GROUP	III
				USES	18
CAS 124-65-2 MF C <sub>2</sub> H <sub>6</sub> AsNaO <sub>2</sub> MW 159.98					
Sodium dimethyldithiocarbamate hydrate					
BIOC-070N	100 mg			GROUP	I, II
				USES	2, 3, 4, 5, 6, 9, 10, 11, 12, 13
CAS 207233-95-2 MF C <sub>3</sub> H <sub>6</sub> NNaS <sub>2</sub> MW 143.21					
			Anhydrous Basis		
Sodium lignosulfonate (Tech)					
BIOC-171N	100 mg			GROUP	II
				USES	12
CAS 8061-51-6					
Sodium metabisulfite					
BIOC-036N-1G	1 gram		Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	GROUP	I, II, IV
				USES	1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22
CAS 7681-57-4 MF Na <sub>2</sub> O <sub>5</sub> S <sub>2</sub> MW 190.11					



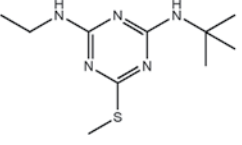
<b>Sodium persulfate</b>				
BIOC-118N	100 mg		$\text{Na}_2\text{S}_2\text{O}_8$	GROUP I USES 4
CAS 7775-27-1 MF $\text{Na}_2\text{O}_8\text{S}_2$ MW 238.10				
<b>Sodium sulphite</b>				
BIOC-038N-1G	1 gram		$\text{Na}_2\text{SO}_3$	GROUP I, II, IV USES 1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22
CAS 7757-83-7 MF $\text{Na}_2\text{O}_3\text{S}$ MW 126.04				
<b>Sodium tetraborate</b>				
BIOC-025N	100 mg		$\text{Na}_2\text{B}_4\text{O}_7$	GROUP I, II USES 1, 2, 7, 8, 9, 10, 11, 13
CAS 1330-43-4 MF $\text{Na}_2\text{B}_4\text{O}_7$ MW 201.22				
<b>Sorbic acid</b>				
BIOC-015N	100 mg			GROUP I, II USES 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
CAS 110-44-1 MF $\text{C}_6\text{H}_8\text{O}_2$ MW 112.13				
<b>Spinosad (Tech)</b>				
BIOC-113N-10MG	10 mg			GROUP I, III USES 3, 18
CAS 168316-95-8				
<b>Sumithrin</b>				
BIOC-238N-10MG	10 mg			GROUP III USES 18
CAS 26002-80-2 MF $\text{C}_{23}\text{H}_{26}\text{O}_3$ MW 350.45				
<b>Symclosene</b>				
BIOC-060N	100 mg			GROUP I, II USES 2, 3, 4, 5, 6, 7, 9, 11, 12
CAS 87-90-1 MF $\text{C}_3\text{Cl}_3\text{N}_3\text{O}_3$ MW 232.41				
<b>Tebuconazol</b>				
BIOC-149N-10MG	10 mg			GROUP II USES 7, 8, 9, 10
CAS 107534-96-3 MF $\text{C}_{16}\text{H}_{22}\text{ClN}_3\text{O}$ MW 307.82				



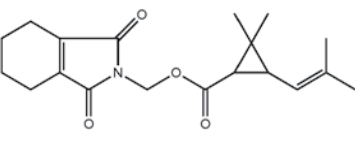
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Terbutylazine	
BIOC-087N-10MG	10 mg
CAS 5915-41-3 MF C <sub>9</sub> H <sub>16</sub> ClN <sub>5</sub> MW 229.71	
	GROUP I, II
	USES 2, 11, 12

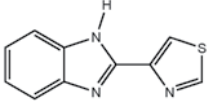
  

Terbutryn	
BIOC-145N-10MG	10 mg
CAS 886-50-0 MF C <sub>10</sub> H <sub>19</sub> N <sub>5</sub> S MW 241.36	
	GROUP II
	USES 7, 9, 10

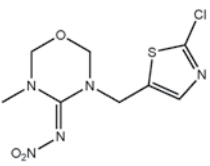
  

Tetramethrin	
BIOC-207N-10MG	10 mg
CAS 7696-12-0 MF C <sub>19</sub> H <sub>25</sub> NO <sub>4</sub> MW 331.41	
	GROUP III
	USES 18

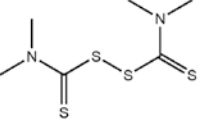
  

Thiabendazole	
BIOC-076N-10MG	10 mg
CAS 148-79-8 MF C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> S MW 201.25	
	GROUP I, II, IV
	USES 2, 6, 7, 8, 9, 10, 11, 12, 13, 20

Thiamethoxam	
BIOC-159N-10MG	10 mg
CAS 153719-23-4 MF C <sub>8</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>3</sub> S MW 291.72	
	GROUP II, III
	USES 8, 9, 18

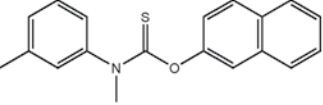
  

Thiram	
BIOC-071N	100 mg
CAS 137-26-8 MF C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub> MW 240.44	
	GROUP I, II
	USES 2, 6, 7, 9, 10, 11, 12

THPS (Tech Grade)	
BIOC-101N	100 mg
CAS 55566-30-8 MF [P(CH <sub>2</sub> OH) <sub>4</sub> ] <sub>2</sub> SO <sub>4</sub> MW 406.28	$[P(CH_2OH)_4]_2SO_4$
	GROUP I, II
	USES 2, 6, 9, 11, 12

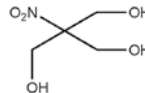
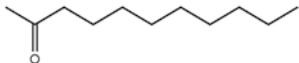
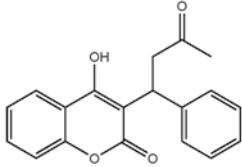
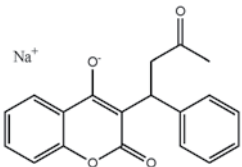
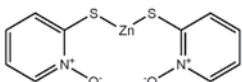
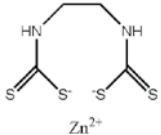
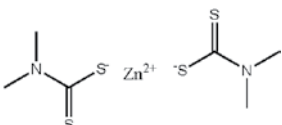
Tolnaftate	
BIOC-164N-25MG	25 mg
CAS 2398-96-1 MF C <sub>19</sub> H <sub>17</sub> NOS MW 307.41	
	GROUP II
	USES 9



<b>Tolyfluanide</b>				
<b>BIOC-144N-10MG</b>	10 mg		<b>GROUP</b>	II, IV
			<b>USES</b>	7, 8, 10, 21
<b>CAS 731-27-1</b>	<b>MF</b> C <sub>10</sub> H <sub>13</sub> Cl <sub>2</sub> FN <sub>2</sub> O <sub>2</sub> S <sub>2</sub>	<b>MW</b> 347.26		
<b>Transfluthrin</b>				
<b>BIOC-225N-10MG</b>	10 mg		<b>GROUP</b>	III
			<b>USES</b>	18
<b>CAS 118712-89-3</b>	<b>MF</b> C <sub>15</sub> H <sub>12</sub> Cl <sub>2</sub> F <sub>4</sub> O <sub>2</sub>	<b>MW</b> 371.15		
<b>Tributyltetradecylphosphonium chloride</b>				
<b>BIOC-105N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</b>	2, 4, 9, 11, 12
<b>CAS 81741-28-8</b>	<b>MF</b> C <sub>26</sub> H <sub>56</sub> ClP	<b>MW</b> 435.15		
<b>2,4,6-Trichlorophenol sodium salt</b>				
<b>BIOC-084N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</b>	2, 3, 6, 9
<b>CAS 3784-03-0</b>	<b>MF</b> C <sub>6</sub> H <sub>2</sub> Cl <sub>3</sub> NaO	<b>MW</b> 219.43		
<b>Triclocarban</b>				
<b>BIOC-014N-25MG</b>	25 mg		<b>GROUP</b>	I
			<b>USES</b>	1, 2, 4
<b>CAS 101-20-2</b>	<b>MF</b> C <sub>13</sub> H <sub>9</sub> Cl <sub>3</sub> N <sub>2</sub> O	<b>MW</b> 315.58		
<b>Triclosan</b>				
<b>BIOC-029N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</b>	1, 2, 3, 7, 9
<b>CAS 3380-34-5</b>	<b>MF</b> C <sub>12</sub> H <sub>7</sub> Cl <sub>3</sub> O <sub>2</sub>	<b>MW</b> 289.54		
<b>cis-Tricos-9-ene</b>				
<b>BIOC-213N</b>	100 mg		<b>GROUP</b>	III
			<b>USES</b>	18, 19
<b>CAS 27519-02-4</b>	<b>MF</b> C <sub>23</sub> H <sub>46</sub>	<b>MW</b> 322.61		
<b>Triflumuron</b>				
<b>BIOC-220N-10MG</b>	10 mg		<b>GROUP</b>	III
			<b>USES</b>	18
<b>CAS 64628-44-0</b>	<b>MF</b> C <sub>15</sub> H <sub>10</sub> ClF <sub>3</sub> N <sub>2</sub> O <sub>3</sub>	<b>MW</b> 358.70		



# Biocides

<b>Tris(hydroxymethyl)nitromethane</b>					
BIOC-068N	100 mg			GROUP	I, II
				USES	2, 3, 6, 11, 12, 13
CAS 126-11-4 MF C <sub>4</sub> H <sub>9</sub> NO <sub>5</sub> MW 151.12					
<b>Undecan-2-one (Methyl-nonyl-ketone)</b>					
BIOC-189S-CN	100 µg/mL in Acetonitrile	1 mL		GROUP	III
				USES	19
CAS 112-12-9 MF C <sub>11</sub> H <sub>22</sub> O MW 170.29					
<b>Warfarin</b>					
BIOC-172N-10MG	10 mg			GROUP	III
				USES	14
CAS 81-81-2 MF C <sub>19</sub> H <sub>16</sub> O <sub>4</sub> MW 308.33					
<b>Warfarin sodium</b>					
BIOC-174N	100 mg			GROUP	III
				USES	14
CAS 129-06-6 MF C <sub>19</sub> H <sub>15</sub> NaO <sub>4</sub> MW 330.31					
<b>Zinc borate (Tech)</b>					
BIOC-166N	100 mg		3ZnO • 2B <sub>2</sub> O <sub>3</sub>	GROUP	II
			Typical composition: Zinc oxide 45%, Boric anhydride 34%, Water hydration 20%	USES	9
CAS 12767-90-7					
<b>Zinc pyrithione</b>					
BIOC-096N	100 mg			GROUP	I, II, IV
				USES	2, 6, 7, 9, 10, 13, 21
CAS 13463-41-7 MF C <sub>10</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub> Zn <sub>2</sub> MW 317.69					
<b>Zinc sulfide</b>					
BIOC-147N	100 mg		ZnS	GROUP	II
				USES	7, 9, 10
CAS 1314-98-3 MF ZnS MW 97.44					
<b>Zineb</b>					
BIOC-210N-10MG	10 mg			GROUP	IV
				USES	21
CAS 12122-67-7 MF C <sub>4</sub> H <sub>6</sub> N <sub>2</sub> S <sub>4</sub> Zn MW 275.76					
<b>Ziram</b>					
BIOC-072N-10MG	10 mg			GROUP	I, II
				USES	2, 6, 7, 9, 10, 11, 12
CAS 137-30-4 MF C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub> Zn MW 305.83					



# Compound Index

<b>A</b>		Diphenoxarsin-10-yl oxide	11	<b>P</b>	
Abamectin	1	Dipotassium disulfite	11	Peracetic acid	18
Acetamiprid	1	Diuron (Karmex)	11	Permethrin	18
Allethrin	1	Disilver oxide	11	2-Phenoxyethanol	19
Ammonium bromide	1	2,2'-Dithiobis(pyridine-N-oxide)	11	o-Phenylphenol	19
Ammonium sulfate	1			Piperonyl butoxide	19
Azamethiphos	1			Poly(vinylpyrrolidone) iodine complex	19
<b>B</b>		<b>E</b>		Potassium dimethyl dithiocarbamate	19
Bendiocarb	1	Empenthrin	11	Potassium monopersulfate triple salt	19
Benzalkonium chloride (Tech)	1	Esfenvalerate	11	Potassium permanganate	19
Benzethonium chloride	2	Ethanol	12	Potassium sorbate	19
1,2-Benzisothiazol-3(2H)-one	2	5-Ethyl-1-aza-3,7-dioxabicyclo[3,3,0]octane	12	Potassium sulfite	19
Benzoic acid	2	Ethyl butylacetylaminopropionate	12	Prallethrin	19
Benzyl benzoate	2	Ethylene oxide	12	Prometryne	20
2-Benzyl-4-chlorophenol	2	Etofenprox	12	1-Propanol	20
Bifenthrin	2			Propiconazole	20
2-Biphenylol sodium salt tetrahydrate	2	<b>F</b>		Propoxur	20
N,N'-Bis(hydroxymethyl)urea (MFG)	3	Fenitrothion	12	Pyrethrins (Tech Mix)	20
Bis(trichloromethyl) sulphone	3	Fenoxycarb	12	Pyridine-2-thiol-1-oxide, sodium salt	20
Boric acid	3	Fenpropimorph	12	Pyriproxyfen	20
Brodifacoum	3	Fipronil	13	<b>Q</b>	
Bromadiolone	3	Flocoumafen	13	Quaternium-15	20
Bromoacetic acid	3	Flufenoxuron	13	<b>R</b>	
2-Bromo-2-(bromomethyl)pentanedinitrile	3	Fluometuron	13	Rotenone	21
2-Bromo-2-nitropropane-1,3-diol	3	Folpet	13	<b>S</b>	
Busan (TCMTB)	3	Formic acid	13	Salicylic acid	21
<b>C</b>		<b>G</b>		Silicium dioxide	21
Calcium hydroxide	4	Geraniol	13	Silicon dioxide	21
Calcium hypochlorite	4	Gluteraldehyde	13	Silver	21
Calcium oxide	4	Glycolic acid	14	Silver chloride	21
Calcium sorbate	4	Guazatine acetate (Tech)	14	Silver nitrate	21
Captan	4			Sodium benzoate	21
Carbendazim	4	<b>H</b>		Sodium bisulfite	21
Cetylpyridinium chloride	4	Hexaflumuron	14	Sodium bromide	22
Chloralose	4	Hexahydro-1,3,5-tris(hydroxyethyl)triazine	14	Sodium chlorate	22
Chloramine T trihydrate	4	Hydramethylnon	14	Sodium chloride	22
Chlorfenapyr	5	2-Hydroxy-4-isopropyl-2,4,6-cycloheptatrien-1-one	14	Sodium chlorite	22
Chloroacetamide	5	<b>I</b>		Sodium dichloroisocyanurate dihydrate	22
4-Chloro-3,5-dimethylphenol	5	Icaridin	15	Sodium dimethylarsinate	22
4-Chloro-3-methylphenol	5	Imazalil	15	Sodium dimethyldithiocarbamate hydrate	22
Chlorophacinone	5	Imidacloprid	15	Sodium lignosulfonate (Tech)	22
Chlorothalonil	5	Imiprothrin	15	Sodium metabisulfite	22
Chlorotoluron	5	Iodine	15	Sodium persulfate	23
Cinnamal	6	3-Iodo-2-propynyl butylcarbamate	15	Sodium sulphite	23
Citric acid	6	Irgarol	15	Sodium tetraborate	23
Clothianidin	6	Isopropanol	15	Sorbic acid	23
Copper	6	Isoproturon	16	Spinosad	23
Copper (II) carbonate basic	6	<b>L</b>		Sumithrin	23
Copper dihydroxide	6	L-(+)-Lactic acid	16	Symclosene	23
Copper (I) oxide	6	Lauric acid	16	<b>T</b>	
Copper (II) oxide	6	Lauryl dimethylamine oxide	16	Tebuconazol	23
Copper (II) sulfate	6	Lignin (Alkaline)	16	Terbutylazine	24
Copper thiocyanate	6	Linalool	16	Terbutryn	24
Coumatetralyl	7	<b>M</b>		Tetramethrin	24
m-Cresol	7	Magnesium bis(monoperoxyphthalate) hexahydrate	16	Thiabendazole	24
Creosote from beechwood tar	7	Margosa extract	16	Thiamethoxam	24
Cyanamide	7	(R)-p-Mentha-1,8-diene	16	Thiram	24
N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine	7	(+)-cis-p-Menthane-3,8-diol	17	THPS (Tech Grade)	24
Cyfluthrin	7	2-Mercaptobenzothiazole	17	Tolnaftate	24
L-Cyhalothrin	7	Metam-sodium dihydrate	17	Tolyfluanide	25
a-Cypermethrin	7	S-Methoprene	17	Transfluthrin	25
Cypermethrin	8	Methyl anthranilate	17	Tributyltetradecylphosphonium chloride	25
Cyphenothrin	8	N,N'-Methylenbismorpholine	17	2,4,6-Trichlorophenol sodium salt	25
Cyproconazole	8	Methylene dithiocyanate	17	Triclocarban	25
<b>D</b>		2-Methyl-2H-isothiazol-3-one	17	Triclosan	25
Dazomet	8	Monolinuron	17	Triflururon	25
Decanoic acid	8	Myristyltrimethylammonium bromide	17	cis-Tricos-9-ene	25
Deltamethrin	8	<b>N</b>		Tris(hydroxymethyl)nitromethane	26
Diazinon	8	Nabam	18	<b>U</b>	
Diazolidinyl urea	8	Naled	18	Undecan-2-one (Methyl-nonyl-ketone)	26
Diboron trioxide	9	Naphthalene	18	<b>W</b>	
2,2-Dibromo-2-cyanoacetamide	9	Nonanoic acid	18	Warfarin	26
1,3-Dibromo-5,5-dimethylhydantoin	9	<b>O</b>		Warfarin sodium	26
Dichlofluanid	9	Oct-1-ene-3-ol	18	<b>Z</b>	
2,4-Dichlorobenzyl alcohol	9	Octanoic acid	18	Zinc borate	26
1,3-Dichloro-5,5-dimethylhydantoin	9	Orthophosphoric acid	18	Zinc pyriithione	26
Dichlorophen	9	2-Octyl-2H-isothiazol-3-one	18	Zinc sulfide	26
Dichlorvos	10	Oxazolidine	18	Zineb	26
Didecyl-dimethylammonium chloride	10			Ziram	26
1,3-Didecyl-2-methyl-1H-imidazolium chloride	10				
N,N-Diethyl-m-toluamide	10				
Difenacoum	10				
Diffubenzuron	10				
Dimethyloctadecyl[3-(trimethoxysilyl)propyl ammonium chloride]	10				
4,4-Dimethyloxazolidine	11				

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1305-78-8	4	52645-53-1	18		
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1317-39-1	6	55406-53-6	15		
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BIOC-009N-25MG	20	BIOC-109N	5	BIOC-209N-10MG	20
BIOC-010N-25MG	6	BIOC-110N	7	BIOC-210N-10MG	26
BIOC-011N	18	BIOC-111N	21	BIOC-211N-10MG	1
BIOC-012N-25MG	5	BIOC-112N-10MG	6	BIOC-212S	19
BIOC-013N-25MG	19	BIOC-113N-10MG	23	BIOC-213N	25
BIOC-014N-25MG	25	BIOC-114N	3	BIOC-214N-10MG	10
BIOC-015N	23	BIOC-115N	18	BIOC-215N-10MG	1
BIOC-016S-W	13	BIOC-116N	8	BIOC-216N-10MG	8
BIOC-017N	2	BIOC-117N-1G	18	BIOC-217S	12
BIOC-018N-25MG	2	BIOC-118N	23	BIOC-218N-10MG	8
BIOC-019N-25MG	19	BIOC-119N-10MG	18	BIOC-219N-10MG	11
BIOC-020N	4	BIOC-120N	22	BIOC-220N-10MG	25
BIOC-021N	4	BIOC-121N	19	BIOC-221N-10MG	7
BIOC-022N	2	BIOC-122N-10MG	4	BIOC-222N-10MG	7
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BIOC-025N	23	BIOC-125N-10MG	8	BIOC-225N-10MG	25
BIOC-028N	22	BIOC-126N-10MG	5	BIOC-226S	14
BIOC-029N	25	BIOC-127N-10MG	13	BIOC-227N-10MG	7
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