

# 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

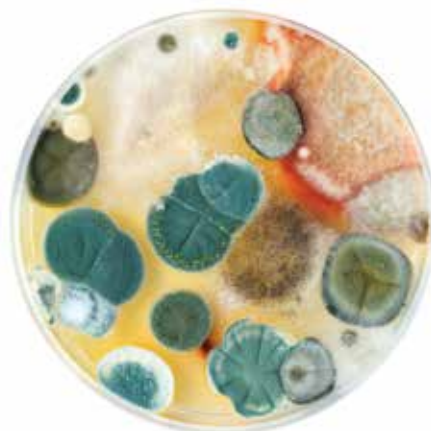
Products used to control the growth and settlement of fouling organisms (microbes and higher forms of plant or animal species) on vessels, aquaculture equipment or other structures used in water.

### 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.



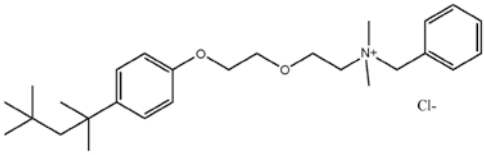
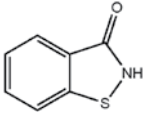
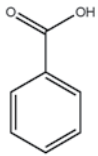
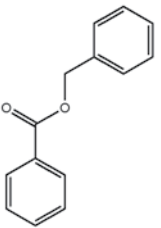
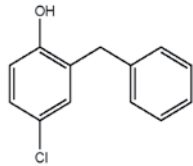
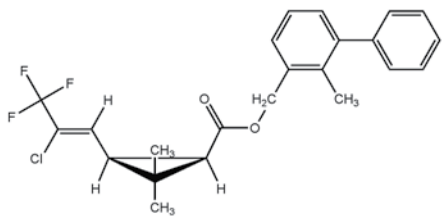
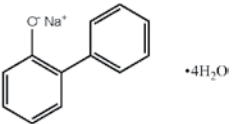
# Biocides



<b>Abamectin</b>					
<b>BIOC-236N-10MG</b>	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
<b>CAS 71751-41-2</b>					
		(i) $R = \text{CH}(\text{CH}_3)_2$ (ii) $R = \text{H}_3\text{C}-\text{C}(\text{H})-\text{CH}_2\text{CH}_3$			
<b>Acetamiprid</b>					
<b>BIOC-237N-10MG</b>	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
<b>CAS 135410-20-7</b>	<b>MF</b> $\text{C}_{10}\text{H}_{11}\text{ClN}_4$	<b>MW</b> 222.67			
<b>Allethrin</b>					
<b>BIOC-239N-10MG</b>	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
<b>CAS 584-79-2</b>	<b>MF</b> $\text{C}_{19}\text{H}_{26}\text{O}_3$	<b>MW</b> 302.41			
<b>Ammonium bromide</b>					
<b>BIOC-095N-10MG</b>	10 mg			<b>GROUP</b>	I, II
				<b>USES</b>	2, 4, 6, 7, 9, 11, 12
<b>CAS 1212-97-9</b>	<b>MF</b> $\text{BrH}_4\text{N}$	<b>MW</b> 97.94			
		$\text{NH}_4\text{Br}$			
<b>Ammonium sulfate</b>					
<b>BIOC-168N</b>	100 mg			<b>GROUP</b>	II
				<b>USES</b>	11, 12
<b>CAS 7783-20-2</b>	<b>MF</b> $\text{H}_8\text{N}_2\text{O}_4\text{S}$	<b>MW</b> 132.14			
		$(\text{NH}_4)_2\text{SO}_4$			
<b>Azamethiphos</b>					
<b>BIOC-215N-10MG</b>	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
<b>CAS 35575-96-3</b>	<b>MF</b> $\text{C}_9\text{H}_{10}\text{ClN}_2\text{O}_5\text{PS}$	<b>MW</b> 324.68			
<b>Bendiocarb</b>					
<b>BIOC-211N-10MG</b>	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
<b>CAS 22781-23-3</b>	<b>MF</b> $\text{C}_{11}\text{H}_{13}\text{NO}_4$	<b>MW</b> 223.23			
<b>Benzalkonium chloride (Tech)</b>					
<b>BIOC-052N</b>	100 mg			<b>GROUP</b>	I, II, III, IV
				<b>USES</b>	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 17, 22
<b>CAS 63449-41-2</b>	<b>MF</b> $\text{C}_{19}\text{H}_{34}\text{ClN}$	<b>MW</b> 311.93			

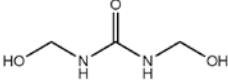
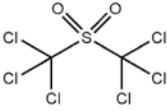
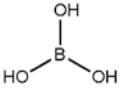
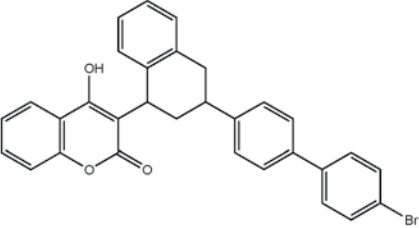
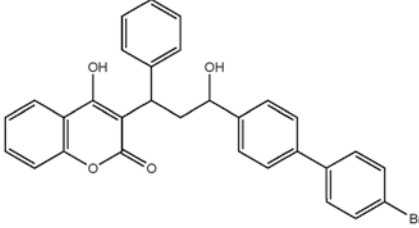
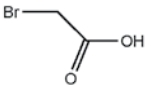
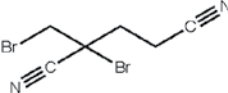
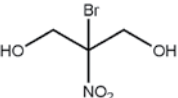
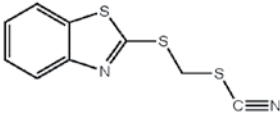


# Biocides

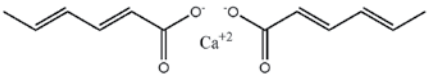
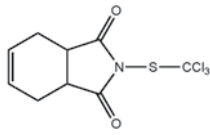
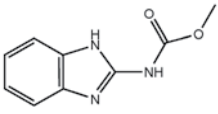
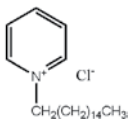
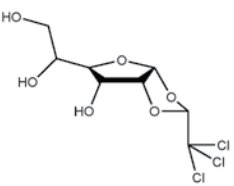
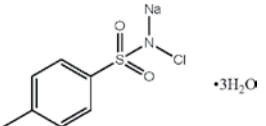
<b>Benzethonium chloride</b>					
<b>BIOC-018N-25MG</b>	25 mg			<b>GROUP</b>	I
				<b>USES</b>	1
<b>CAS 121-54-0</b>	<b>MF</b> C <sub>27</sub> H <sub>42</sub> ClNO <sub>2</sub>	<b>MW</b> 448.08			
<b>1,2-Benzisothiazol-3(2H)-one</b>					
<b>BIOC-082S-W</b>	19.3% wt. in Water	1 mL		<b>GROUP</b>	I, II, IV
				<b>USES</b>	2, 6, 7, 9, 10, 11, 12, 13, 22
<b>CAS 2634-33-5</b>	<b>MF</b> C <sub>7</sub> H <sub>5</sub> NOS	<b>MW</b> 151.19			
<b>Benzoic acid</b>					
<b>BIOC-006N-25MG</b>	25 mg			<b>GROUP</b>	I, II, IV
				<b>USES</b>	1, 2, 3, 4, 6, 11, 20
<b>CAS 65-85-0</b>	<b>MF</b> C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>	<b>MW</b> 122.12			
<b>Benzyl benzoate</b>					
<b>BIOC-067N</b>	100 mg			<b>GROUP</b>	I, III
				<b>USES</b>	2, 18
<b>CAS 120-51-4</b>	<b>MF</b> C <sub>14</sub> H <sub>12</sub> O <sub>2</sub>	<b>MW</b> 212.24			
<b>2-Benzyl-4-chlorophenol</b>					
<b>BIOC-017N</b>	100 mg			<b>GROUP</b>	I, II
				<b>USES</b>	1, 2, 3, 4, 6
<b>CAS 120-32-1</b>	<b>MF</b> C <sub>13</sub> H <sub>11</sub> ClO	<b>MW</b> 156.61			
<b>Bifenthrin</b>					
<b>BIOC-161N-10MG</b>	10 mg			<b>GROUP</b>	II, III
				<b>USES</b>	8, 18
<b>CAS 82657-04-3</b>	<b>MF</b> C <sub>23</sub> H <sub>22</sub> ClF <sub>3</sub> O <sub>2</sub>	<b>MW</b> 422.87			
<b>2-Biphenylol sodium salt tetrahydrate</b>					
<b>BIOC-022N</b>	100 mg			<b>GROUP</b>	I, II
				<b>USES</b>	1, 2, 3, 4, 6, 7, 9, 10, 13
<b>CAS 132-27-4</b>	<b>MF</b> C <sub>12</sub> H <sub>17</sub> NaO <sub>5</sub>	<b>MW</b> 264.25			



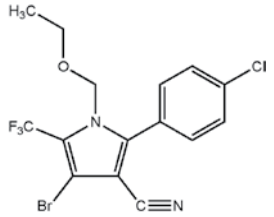
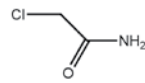
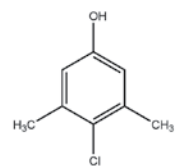
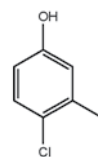
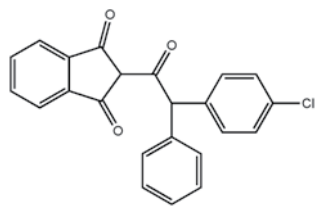
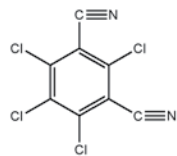
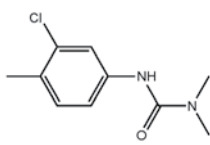


<b>N,N'-Bis(hydroxymethyl)urea (MFG)</b>				
BIOC-074N	100 mg			<b>GROUP</b> I, II <b>USES</b> 2, 6, 9, 11, 12, 13
CAS 140-95-4 MF C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> MW 120.11				
<b>Bis(trichloromethyl) sulphone</b>				
BIOC-128N-10MG	10 mg			<b>GROUP</b> II, IV <b>USES</b>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

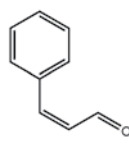
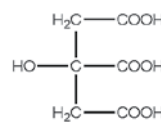
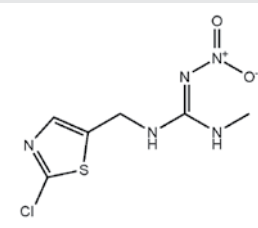
# Biocides

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

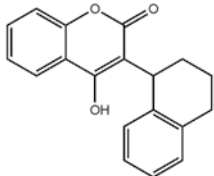
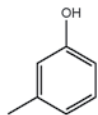
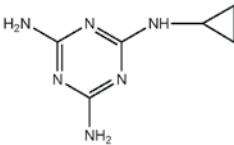
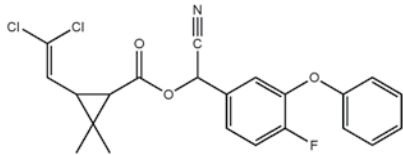
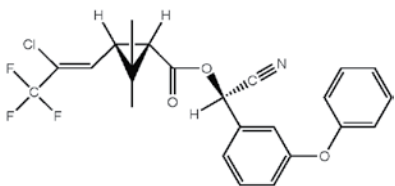
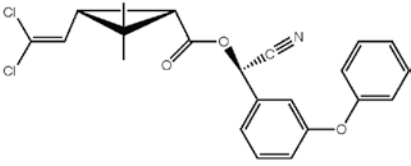


<b>Chlorfenapyr</b>				
<b>BIOC-143N-10MG</b>	10 mg		<b>GROUP</b>	II, III
			<b>USES</b>	6, 7, 8, 9, 10, 12, 13, 18
<b>CAS 122453-73-0 MF C<sub>15</sub>H<sub>11</sub>BrClF<sub>3</sub>N<sub>2</sub>O MW 407.61</b>				
				
<b>Chloroacetamide</b>				
<b>BIOC-109N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</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>				
				

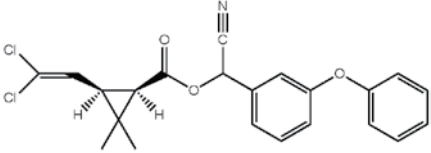
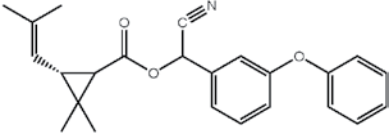
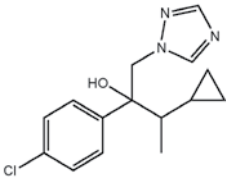
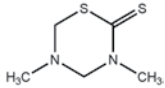
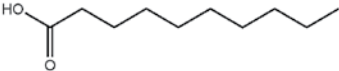
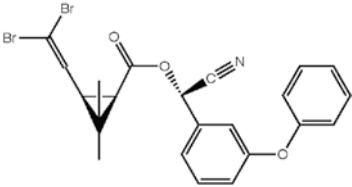
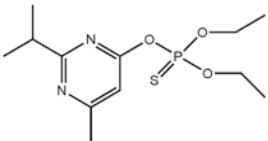
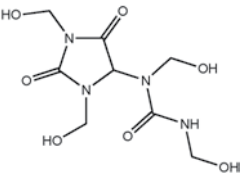
# Biocides

<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				<b>USES</b> 2, 4, 5, 11, 21
CAS 7440-50-8 MF Cu MW 63.55			Cu		
<b>Copper (II) carbonate basic</b>					
BIOC-154N	100 mg				<b>GROUP</b> II
					<b>USES</b> 8
CAS 12069-69-1 MF Cu <sub>2</sub> CO <sub>3</sub> H <sub>2</sub> MW 221.12			CuCO <sub>3</sub> • Cu(OH) <sub>2</sub>		
<b>Copper dihydroxide</b>					
BIOC-155N	100 mg				<b>GROUP</b> II
					<b>USES</b> 8
CAS 20427-59-2 MF Cu <sub>2</sub> H <sub>2</sub> O <sub>2</sub> MW 97.56			Cu(OH) <sub>2</sub>		
<b>Copper (I) oxide</b>					
BIOC-151N	100 mg				<b>GROUP</b> II
					<b>USES</b> 8
CAS 1317-39-1 MF Cu <sub>2</sub> O MW 143.09			Cu <sub>2</sub> O		
<b>Copper (II) oxide</b>					
BIOC-203N	100 mg				<b>GROUP</b> IV
					<b>USES</b> 21
CAS 1317-38-0 MF CuO MW 79.55			CuO		
<b>Copper (II) sulfate</b>					
BIOC-039N-1G	1 gram				<b>GROUP</b> I
					<b>USES</b> 1, 2, 4
CAS 7758-98-7 MF CuSO <sub>4</sub> MW 159.61			CuSO <sub>4</sub>		
<b>Copper thiocyanate</b>					
BIOC-202N	100 mg				<b>GROUP</b> III, IV
					<b>USES</b> 19, 21
CAS 1111-67-7 MF CuSCN MW 121.63			Cu—S—C≡N		



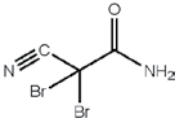
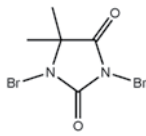
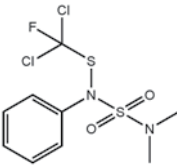
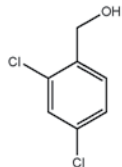
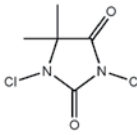
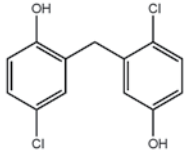
<b>Coumatetralyl</b>					
<b>BIOC-176N-10MG</b>	10 mg			<b>GROUP</b>	III
				<b>USES</b>	14
<b>CAS 5836-29-3 MF C<sub>19</sub>H<sub>16</sub>O<sub>3</sub> MW 292.33</b>					
<b>Creosote from beechwood tar</b>					
<b>BIOC-153N</b>	100 mg		Product is a mixture of many chemicals created by burning of beech 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

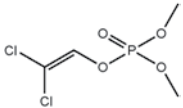
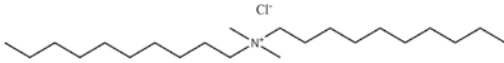
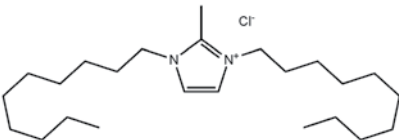
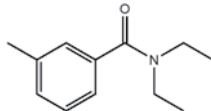
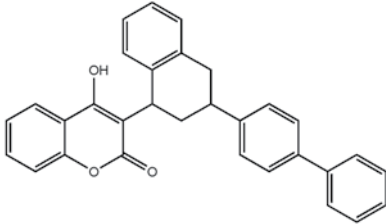
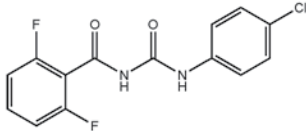
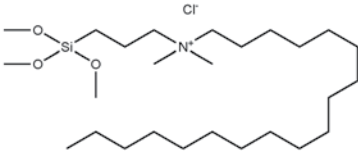
<b>Cypermethrin</b>							
<b>BIOC-156N-10MG</b>	10 mg					<b>GROUP</b>	II, III
						<b>USES</b>	8, 9, 18
<b>CAS 52315-07-8</b>	<b>MF C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub></b>	<b>MW 416.30</b>					
							
<b>Cyphenothrin</b>							
<b>BIOC-216N-10MG</b>	10 mg					<b>GROUP</b>	III
						<b>USES</b>	18
<b>CAS 39515-40-7</b>	<b>MF C<sub>24</sub>H<sub>25</sub>NO<sub>3</sub></b>	<b>MW 375.46</b>					
							
<b>Cyproconazole</b>							
<b>BIOC-162S</b>	100 µg/mL in Methanol	1 mL				<b>GROUP</b>	II
						<b>USES</b>	8
<b>CAS 94361-06-5</b>	<b>MF C<sub>15</sub>H<sub>18</sub>ClN<sub>3</sub>O</b>	<b>MW 291.78</b>					
							
<b>Dazomet</b>							
<b>BIOC-125N-10MG</b>	10 mg					<b>GROUP</b>	I, II
						<b>USES</b>	6, 7, 8, 9, 10, 11, 12
<b>CAS 533-74-4</b>	<b>MF C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>S<sub>2</sub></b>	<b>MW 162.28</b>					
							
<b>Decanoic acid</b>							
<b>BIOC-116N *</b>	100 mg					<b>GROUP</b>	I, III
						<b>USES</b>	4, 18, 19
<b>CAS 334-48-5</b>	<b>MF C<sub>10</sub>H<sub>20</sub>O<sub>2</sub></b>	<b>MW 172.26</b>					
							
<b>Deltamethrin</b>							
<b>BIOC-218N-10MG</b>	10 mg					<b>GROUP</b>	III
						<b>USES</b>	18
<b>CAS 52918-63-5</b>	<b>MF C<sub>22</sub>H<sub>19</sub>Br<sub>2</sub>NO<sub>3</sub></b>	<b>MW 505.20</b>					
							
<b>Diazinon</b>							
<b>BIOC-201N-10MG</b>	10 mg					<b>GROUP</b>	III
						<b>USES</b>	18
<b>CAS 333-41-5</b>	<b>MF C<sub>12</sub>H<sub>21</sub>N<sub>2</sub>O<sub>3</sub>PS</b>	<b>MW 304.35</b>					
							
<b>Diazolidinyl urea</b>							
<b>BIOC-140N</b>	100 mg					<b>GROUP</b>	II
						<b>USES</b>	6, 7
<b>CAS 78491-02-8</b>	<b>MF C<sub>8</sub>H<sub>14</sub>N<sub>4</sub>O<sub>7</sub></b>	<b>MW 278.22</b>					
							

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



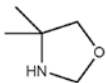
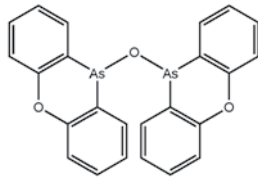
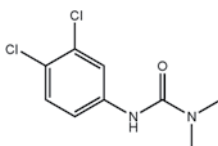
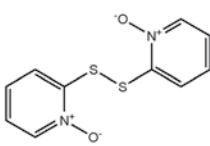
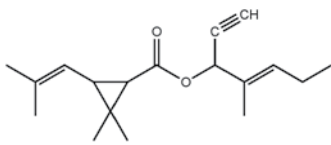
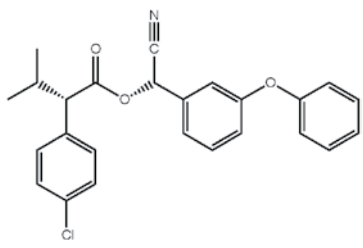
<b>Diboron trioxide</b>				
BIOC-150N	100 mg		<b>B<sub>2</sub>O<sub>3</sub></b>	<b>GROUP</b> II
				<b>USES</b> 8
CAS 1303-86-2 MF B <sub>2</sub> O <sub>3</sub> MW 69.62				
<b>2,2-Dibromo-2-cyanoacetamide</b>				
BIOC-046N	100 mg			<b>GROUP</b> I, II
				<b>USES</b> 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13
CAS 10222-01-2 MF C <sub>3</sub> H <sub>2</sub> Br <sub>2</sub> N <sub>2</sub> O 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 <sub>5</sub> H <sub>6</sub> Br <sub>2</sub> N <sub>2</sub> O <sub>2</sub> MW 285.92				
<b>Dichlofluand</b>				
BIOC-146N-10MG	10 mg			<b>GROUP</b> II, IV
				<b>USES</b> 7, 8, 10, 21
CAS 1085-98-9 MF C <sub>9</sub> H <sub>11</sub> Cl <sub>2</sub> FN <sub>2</sub> O <sub>2</sub> S <sub>2</sub> 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 <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub> O 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 <sub>5</sub> H <sub>6</sub> Cl <sub>2</sub> H <sub>2</sub> O <sub>2</sub> 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 <sub>13</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>2</sub> MW 269.12				

# Biocides

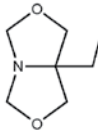
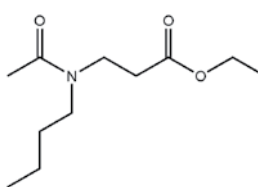

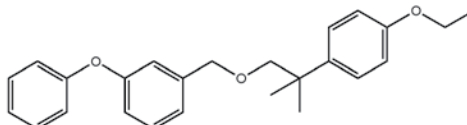
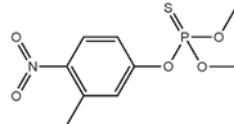
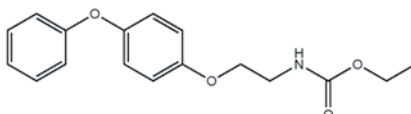
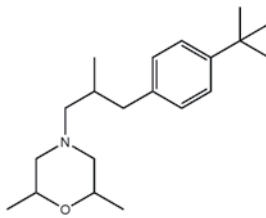
<b>Dichlorvos</b>					
BIOC-185N-10MG	10 mg			<b>GROUP</b>	III
				<b>USES</b>	18
CAS 62-73-7 MF C <sub>4</sub> H <sub>7</sub> Cl <sub>2</sub> O <sub>4</sub> P MW 220.98					
<b>Didecyldimethylammonium chloride</b>					
BIOC-030N-10MG	10 mg			<b>GROUP</b>	I, II
				<b>USES</b>	1, 2, 3, 4, 6, 7, 8, 9, 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>				
<b>BIOC-137N-10MG</b>	10 mg			<b>GROUP</b> II
				<b>USES</b> 6, 11, 12, 13
<b>CAS 51200-87-4</b>	<b>MF C<sub>5</sub>H<sub>11</sub>NO</b>	<b>MW 101.15</b>		
<b>Diphenoxarsin-10-yl oxide</b>				
<b>BIOC-163N</b>	100 mg			<b>GROUP</b> II
				<b>USES</b> 9
<b>CAS 58-36-6</b>	<b>MF C<sub>24</sub>H<sub>16</sub>As<sub>2</sub>O<sub>3</sub></b>	<b>MW 502.23</b>		
<b>Dipotassium disulfite</b>				
<b>BIOC-047N-1G</b>	1 gram		<b>K<sub>2</sub>S<sub>2</sub>O<sub>5</sub></b>	<b>GROUP</b> I, II, IV
				<b>USES</b> 1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22
<b>CAS 16731-55-8</b>	<b>MF K<sub>2</sub>O<sub>5</sub>S<sub>2</sub></b>	<b>MW 222.32</b>		
<b>Diuron (Karmex)</b>				
<b>BIOC-124N-10MG</b>	10 mg			<b>GROUP</b> II
				<b>USES</b> 6, 7, 10
<b>CAS 330-54-1</b>	<b>MF C<sub>9</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>O</b>	<b>MW 233.09</b>		
<b>Disilver oxide</b>				
<b>BIOC-169N</b>	100 mg		<b>Ag<sub>2</sub>O</b>	<b>GROUP</b> II
				<b>USES</b> 11
<b>CAS 20667-12-3</b>	<b>MF Ag<sub>2</sub>O</b>	<b>MW 231.74</b>		
<b>2,2'-Dithiobis(pyridine-N-oxide)</b>				
<b>BIOC-165N-10MG</b>	10 mg			<b>GROUP</b> II
				<b>USES</b> 9
<b>CAS 3696-28-4</b>	<b>MF C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub></b>	<b>MW 252.31</b>		
<b>Empenthrin</b>				
<b>BIOC-219N-10MG</b>	10 mg			<b>GROUP</b> III
				<b>USES</b> 18
<b>CAS 54406-48-3</b>	<b>MF C<sub>18</sub>H<sub>26</sub>O<sub>2</sub></b>	<b>MW 274.40</b>		
<b>Esfenvalerate</b>				
<b>BIOC-235N-10MG</b>	10 mg			<b>GROUP</b> III
				<b>USES</b> 18
<b>CAS 66230-04-4</b>	<b>MF C<sub>25</sub>H<sub>22</sub>ClNO<sub>3</sub></b>	<b>MW 419.90</b>		

# Biocides

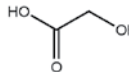
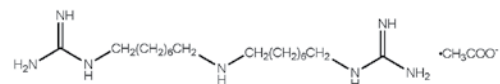
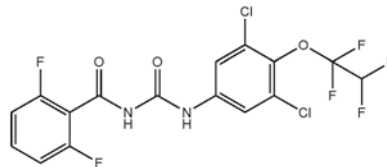
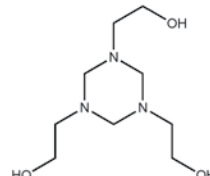
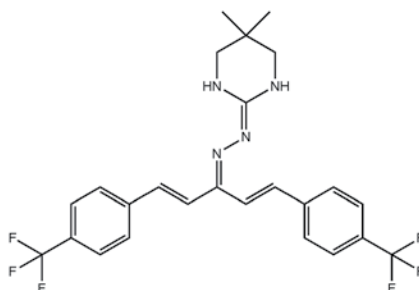
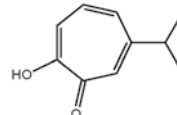
<b>Ethanol</b>					
<b>BIOC-004N-25MG</b>	25 mg				<b>GROUP</b> I
					<b>USES</b> 1, 2, 3, 4
<b>CAS 64-17-5 MF C<sub>2</sub>H<sub>6</sub>O MW 46.07</b>			<chem>CH3CH2OH</chem>		
<b>5-Ethyl-1-aza-3,7-dioxabicyclo[3,3,0]octane</b>					
<b>BIOC-132N</b>	100 mg				<b>GROUP</b> II
					<b>USES</b> 6, 11,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



<b>Fipronil</b>			<b>GROUP</b>	III
<b>BIOC-229N-10MG</b>	10 mg		<b>USES</b>	18
<b>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>				
<b>Flocoumafen</b>			<b>GROUP</b>	III
<b>BIOC-181S</b>	100 µg/mL in Methanol	1 mL	<b>USES</b>	14
<b>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>				
<b>Flufenoxuron</b>			<b>GROUP</b>	II, III
<b>BIOC-158N-10MG</b>	10 mg		<b>USES</b>	8, 18
<b>CAS 101463-69-8 MF C<sub>21</sub>H<sub>11</sub>ClF<sub>6</sub>N<sub>2</sub>O<sub>3</sub> MW 488.77</b>				
<b>Fluometuron</b>			<b>GROUP</b>	II
<b>BIOC-127N-10MG</b>	10 mg		<b>USES</b>	6, 7, 9, 10, 11, 12, 13
<b>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>				
<b>Folpet</b>			<b>GROUP</b>	II
<b>BIOC-123N-10MG</b>	10 mg		<b>USES</b>	6, 7, 9, 10
<b>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>				
<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
<b>CAS 64-18-6 MF CH<sub>2</sub>O<sub>2</sub> MW 46.03</b>				
<b>Geraniol</b>			<b>GROUP</b>	III
<b>BIOC-188N</b>	100 mg		<b>USES</b>	18, 19
<b>CAS 106-24-1 MF C<sub>10</sub>H<sub>18</sub>O MW 154.25</b>				
<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
<b>CAS 111-30-8 MF C<sub>5</sub>H<sub>8</sub>O<sub>2</sub> MW 100.12</b>				



# Biocides

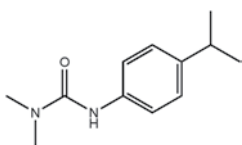
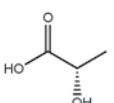
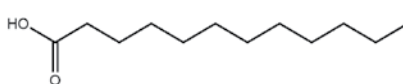
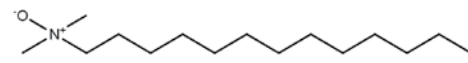
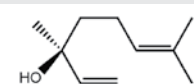
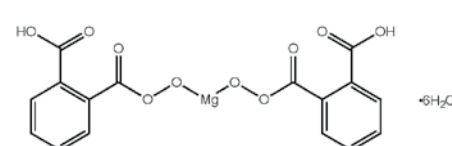
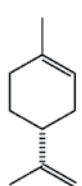
<b>Glycolic acid</b>					
<b>BIOC-058N</b>	100 mg			<b>GROUP</b>	I, II
				<b>USES</b>	2, 3, 4, 12
<b>CAS 79-14-1 MF C<sub>2</sub>H<sub>4</sub>O<sub>3</sub> MW 76.05</b>					
<b>Guazatine acetate (Tech)</b>					
<b>BIOC-108N-10MG</b>	10 mg			<b>GROUP</b>	I
				<b>USES</b>	2
<b>CAS 115044-19-4 MF C<sub>24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



<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					
<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					



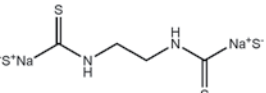
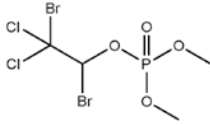
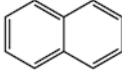
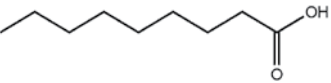
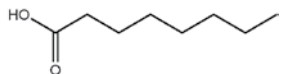
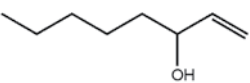
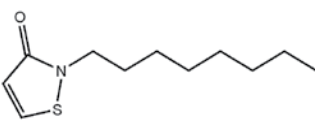

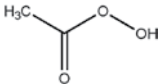
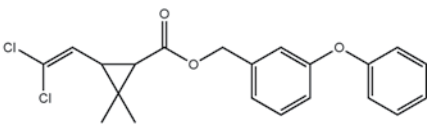
# Biocides

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



<b>(+)-cis-p-Menthane-3,8-diol</b>					
BIOC-050S-CN	100 µg/mL in Acetonitrile	1 mL		GROUP	I, III
				USES	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			GROUP	I, II
				USES	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			GROUP	I, II, IV
				USES	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		GROUP	III
				USES	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			GROUP	III
				USES	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		GROUP	II
				USES	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			GROUP	II, IV
				USES	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			GROUP	I, II, IV
				USES	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			GROUP	I
				USES	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			GROUP	I
				USES	1
CAS 1119-97-7 MF C <sub>17</sub> H <sub>38</sub> BrN MW 336.39					

# Biocides

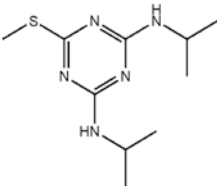
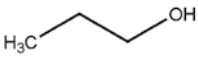
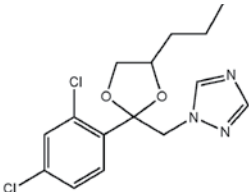
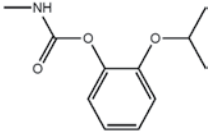
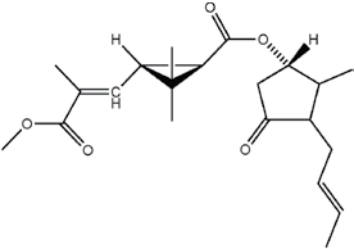
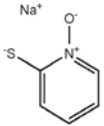
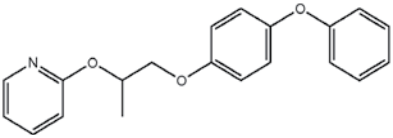
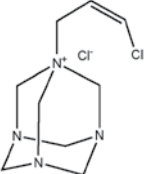
<b>Nabam</b>					
BIOC-075N-10MG	10 mg				<b>GROUP</b> I, II
					<b>USES</b> 2, 4, 6, 9, 10, 11, 12, 13
CAS 142-59-6 MF C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> Na <sub>2</sub> S <sub>4</sub> MW 256.35					
<b>Naled</b>					
BIOC-200N-10MG	10 mg				<b>GROUP</b> III
					<b>USES</b> 18
CAS 300-76-5 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					



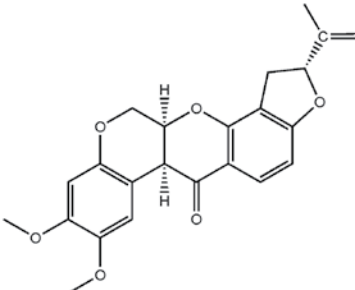
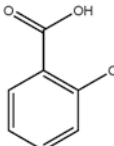
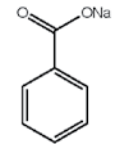


<b>2-Phenoxyethanol</b>					
BIOC-019N-25MG	25 mg			GROUP	I, II
				USES	1, 2, 3, 4, 6, 7, 10, 11, 13
CAS 122-99-6 MF C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> MW 138.16					
<b>o-Phenylphenol</b>					
BIOC-013N-25MG	25 mg			GROUP	I, II
				USES	1, 2, 3, 4, 6, 7, 9, 10, 13
CAS 90-43-7 MF C <sub>12</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					

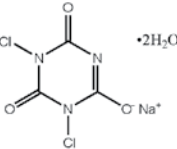
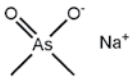
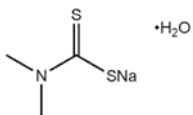
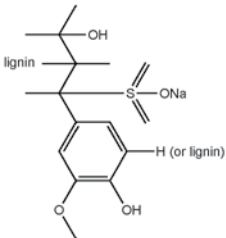
# Biocides

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

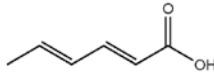
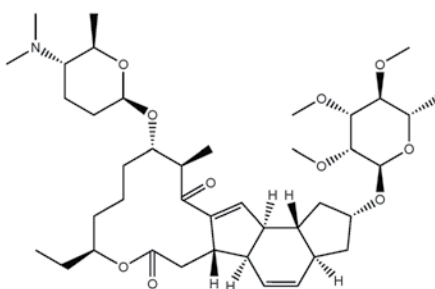
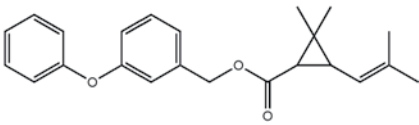
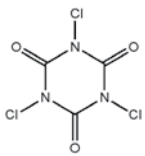
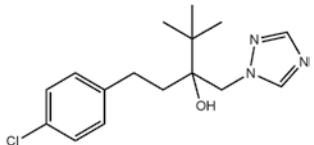


<b>Rotenone</b>						
BIOC-183N-10MG	10 mg				<b>GROUP</b>	III
					<b>USES</b>	17
CAS 83-79-4 MF C <sub>23</sub> H <sub>22</sub> O <sub>6</sub> MW 394.42						
<b>Salicylic acid</b>						
BIOC-008N-25MG	25 mg				<b>GROUP</b>	I, II
					<b>USES</b>	1, 2, 3, 4, 6
CAS 69-72-7 MF C <sub>7</sub> H <sub>6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

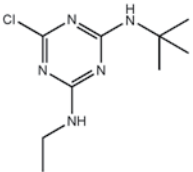
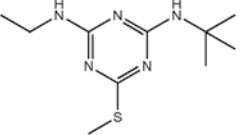
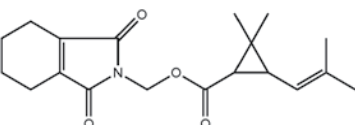
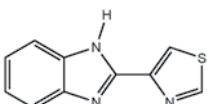
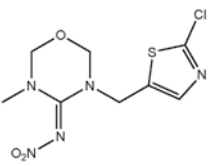
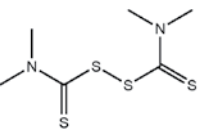
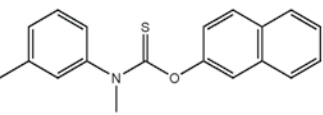
# Biocides

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

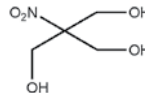
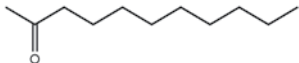
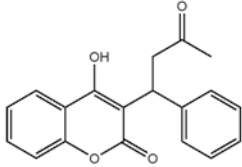
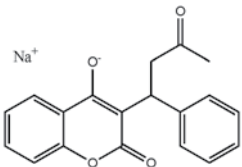
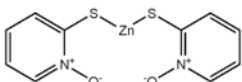
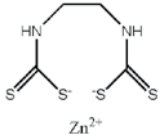
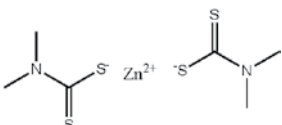
# Biocides

<b>Terbutylazine</b>				
<b>BIOC-087N-10MG</b>	10 mg		<b>GROUP</b>	I, II
			<b>USES</b>	2, 11, 12
<b>CAS 5915-41-3</b>	<b>MF</b> C <sub>9</sub> H <sub>16</sub> ClN <sub>5</sub>	<b>MW</b> 229.71		
<b>Terbutryn</b>				
<b>BIOC-145N-10MG</b>	10 mg		<b>GROUP</b>	II
			<b>USES</b>	7, 9, 10
<b>CAS 886-50-0</b>	<b>MF</b> C <sub>10</sub> H <sub>19</sub> N <sub>5</sub> S	<b>MW</b> 241.36		
<b>Tetramethrin</b>				
<b>BIOC-207N-10MG</b>	10 mg		<b>GROUP</b>	III
			<b>USES</b>	18
<b>CAS 7696-12-0</b>	<b>MF</b> C <sub>19</sub> H <sub>25</sub> NO <sub>4</sub>	<b>MW</b> 331.41		
<b>Thiabendazole</b>				
<b>BIOC-076N-10MG</b>	10 mg		<b>GROUP</b>	I, II, IV
			<b>USES</b>	2, 6, 7, 8, 9, 10, 11, 12, 13, 20
<b>CAS 148-79-8</b>	<b>MF</b> C <sub>10</sub> H <sub>7</sub> N <sub>3</sub> S	<b>MW</b> 201.25		
<b>Thiamethoxam</b>				
<b>BIOC-159N-10MG</b>	10 mg		<b>GROUP</b>	II, III
			<b>USES</b>	8, 9, 18
<b>CAS 153719-23-4</b>	<b>MF</b> C <sub>8</sub> H <sub>10</sub> ClN <sub>5</sub> O <sub>3</sub> S	<b>MW</b> 291.72		
<b>Thiram</b>				
<b>BIOC-071N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</b>	2, 6, 7, 9, 10, 11, 12
<b>CAS 137-26-8</b>	<b>MF</b> C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub>	<b>MW</b> 240.44		
<b>THPS (Tech Grade)</b>				
<b>BIOC-101N</b>	100 mg		<b>GROUP</b>	I, II
			<b>USES</b>	2, 6, 9, 11, 12
<b>CAS 55566-30-8</b>	<b>MF</b> [P(CH <sub>2</sub> OH) <sub>4</sub> ] <sub>2</sub> SO <sub>4</sub>	<b>MW</b> 406.28	[P(CH <sub>2</sub> OH) <sub>4</sub> ] <sub>2</sub> SO <sub>4</sub>	
<b>Tolnaftate</b>				
<b>BIOC-164N-25MG</b>	25 mg		<b>GROUP</b>	II
			<b>USES</b>	9
<b>CAS 2398-96-1</b>	<b>MF</b> C <sub>19</sub> H <sub>17</sub> NOS	<b>MW</b> 307.41		



<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 MF C<sub>10</sub>H<sub>13</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>2</sub>S<sub>2</sub> MW 347.26</b>				
<b>Transfluthrin</b>				
<b>BIOC-225N-10MG</b>	10 mg		<b>GROUP</b>	III
			<b>USES</b>	18
<b>CAS 118712-89-3 MF C<sub>15</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>4</sub>O<sub>2</sub> MW 371.15</b>				
<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 MF C<sub>26</sub>H<sub>56</sub>ClP MW 435.15</b>				
<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 MF C<sub>6</sub>H<sub>2</sub>Cl<sub>3</sub>NaO MW 219.43</b>				
<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 MF C<sub>13</sub>H<sub>9</sub>Cl<sub>3</sub>N<sub>2</sub>O MW 315.58</b>				
<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 MF C<sub>12</sub>H<sub>7</sub>Cl<sub>3</sub>O<sub>2</sub> MW 289.54</b>				
<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 MF C<sub>23</sub>H<sub>46</sub> MW 322.61</b>				
<b>Triflumuron</b>				
<b>BIOC-220N-10MG</b>	10 mg		<b>GROUP</b>	III
			<b>USES</b>	18
<b>CAS 64628-44-0 MF C<sub>15</sub>H<sub>10</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>3</sub> MW 358.70</b>				

# Biocides

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



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

# CAS No. Index

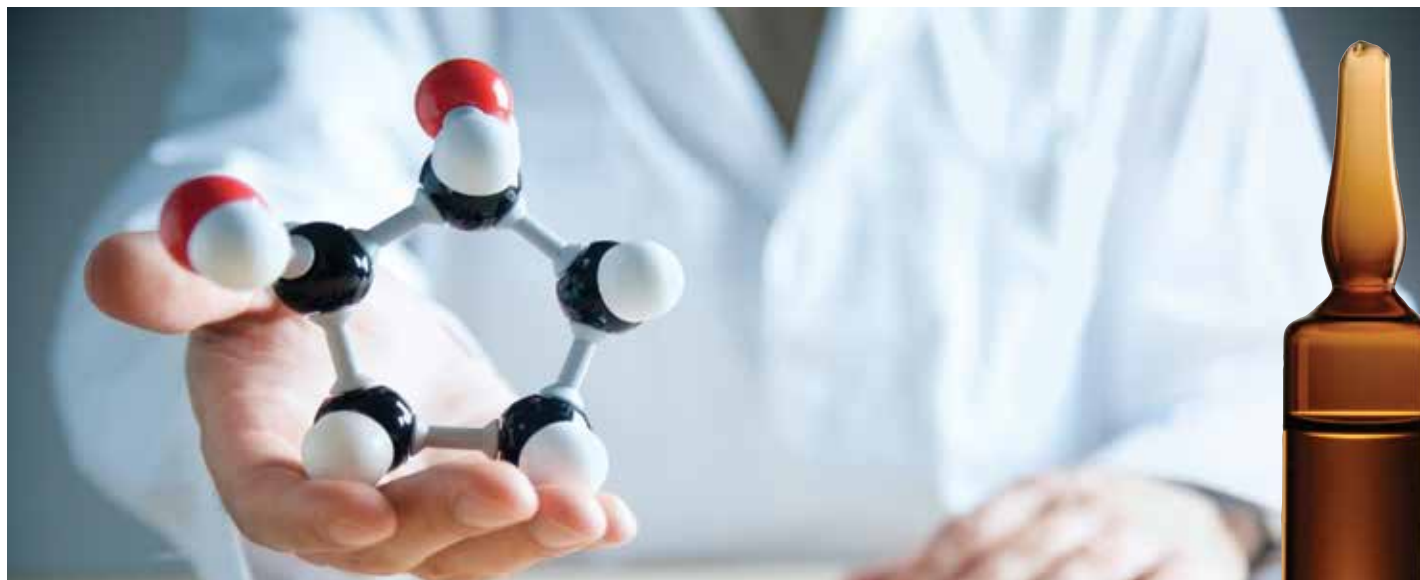
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59-50-7	5	3691-35-8	5	67485-29-4	14
62-73-7	10	3696-28-4	11	67564-91-4	12
64-17-5	12	3784-03-0	25	68359-37-5	7
64-18-6	13	3811-73-2	20	70592-80-2	16
65-85-0	2	4719-04-4	14	70693-62-8	19
67-63-0	15	5625-90-1	17	70862-65-6	10
69-72-7	21	5836-29-3	7	71751-41-2	1
71-23-8	20	5915-41-3	24	72490-01-8	12
75-21-8	12	5989-27-5	16	72963-72-5	15
77-48-5	9	6317-18-6	17	78491-02-8	8
77-92-9	6	6734-80-1	17	80844-07-1	12
78-70-6	16	7080-50-4	4	81741-28-8	25
79-07-2	5	7173-51-5	10	82657-04-3	2
79-08-3	3	7287-19-6	20	84665-66-7	16
79-14-1	14	7440-22-4	21	84696-25-3	16
79-21-0	18	7440-50-8	6	86479-06-3	14
79-33-4	16	7492-55-9	4	90035-08-8	13
81-81-2	26	7553-56-2	15	91465-08-6	7
83-79-4	21	7631-86-9	21	94361-06-5	8
87-90-1	23	7647-14-5	22	95737-68-1	20
88-04-0	5	7647-15-6	22	101463-69-8	13
91-20-3	18	7664-38-2	18	107534-96-3	23
97-23-4	9	7681-57-4	22	115044-19-4	14
101-20-2	25	7696-12-0	24	118712-89-3	25
104-55-2	6	7722-64-7	19	119515-38-7	15
106-24-1	13	7747-35-5	12	120068-37-3	13
107-22-2	14	7757-83-7	23	121776-33-8	18
108-39-4	7	7758-19-2	22	122453-73-0	5
110-44-1	23	7758-98-7	6	135410-20-7	1
111-30-8	13	8061-51-6	22	138261-41-3	15
112-05-0	18	7761-88-8	21	153719-23-4	24
112-12-9	26	7775-09-9	22	168316-95-8	23
114-26-1	20	7775-27-1	23	207233-95-2	22
118-52-5	9	7778-54-3	4	210880-92-5	6
120-32-1	2	7783-20-2	1		
120-51-4	2	7783-90-6	21		
121-54-0	2	8003-34-7	20		
122-14-5	12	8021-39-4	7		
122-99-6	19	9005-53-2	16		
123-03-5	4	10043-35-3	3		
124-07-2	18	10117-38-1	19		
124-65-2	22	10222-01-2	9		
126-11-4	26	10605-21-7	4		
128-03-0	19	12069-69-1	6		
129-06-6	26	12122-67-7	26		
132-27-4	2	12767-90-7	26		
133-06-2	4	13463-41-7	26		
133-07-3	13	15545-48-9	5		
134-20-3	17	15879-93-3	4		
134-62-3	10	16731-55-8	11		
137-26-8	24	20427-59-2	6		
137-30-4	26	20667-12-3	11		
140-95-4	3	21564-17-0	3		
142-59-6	18	22781-23-3	1		
143-07-7	16	23031-36-9	19		
148-79-8	24	24634-61-5	19		
149-30-4	17	25655-41-8	19		
300-76-5	18	26002-80-2	23		
330-54-1	11	27519-02-4	25		
333-41-5	8	27668-52-6	10		
334-48-5	8	28159-98-0	15		
420-04-2	7	28772-56-7	3		
499-44-5	14	34123-59-6	16		
532-32-1	21	35367-38-5	10		
533-74-4	8	35554-44-0	15		
584-79-2	1	35575-96-3	1		
731-27-1	25	35691-65-7	3		
886-50-0	24	39515-40-7	8		
1085-98-9	9	42822-86-6	17		
1111-67-7	6	51200-87-4	11		
1119-97-7	17	51229-78-8	20		
1212-97-9	1	51580-86-0	22		
1303-86-2	9	52304-36-6	12		
1305-62-0	4	52315-07-8	8		
1305-78-8	4	52645-53-1	18		
1314-98-3	26	52918-63-5	8		
1317-38-0	6	54406-48-3	11		
1317-39-1	6	55406-53-6	15		
1330-43-4	23	55566-30-8	24		
1746-81-2	17	56073-07-5	10		
1777-82-8	9	56073-10-0	3		
1897-45-6	5	60207-90-1	20		
2164-17-2	13	61790-53-2	21		
2398-96-1	24	63449-41-2	1		
2634-33-5	2	64628-44-0	25		
2682-20-4	17	65733-16-6	17		

# Catalog No. Index

BIOC-002N-25MG	3	BIOC-101N	24	BIOC-199N	16
BIOC-003N-25MG	5	BIOC-102S	18	BIOC-200N-10MG	18
BIOC-004N-25MG	12	BIOC-103N	10	BIOC-201N-10MG	8
BIOC-005N-25MG	13	BIOC-104N	16	BIOC-202N	6
BIOC-006N-25MG	2	BIOC-105N	25	BIOC-203N	6
BIOC-007N-25MG	15	BIOC-106N-10MG	12	BIOC-205N	18
BIOC-008N-25MG	21	BIOC-108N-10MG	14	BIOC-207N-10MG	24
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
BIOC-023N	21	BIOC-123N-10MG	13	BIOC-223N	16
BIOC-024N	17	BIOC-124N-10MG	11	BIOC-224N-10MG	14
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
BIOC-030N-10MG	10	BIOC-128N-10MG	3	BIOC-228S-CN	15
BIOC-032N	4	BIOC-129S	17	BIOC-229N-10MG	13
BIOC-033N	15	BIOC-130N	17	BIOC-230N-10MG	15
BIOC-034N-1G	21	BIOC-131N-10MG	20	BIOC-231S-CN	15
BIOC-036N-1G	22	BIOC-132N	12	BIOC-232N-10MG	20
BIOC-038N-1G	23	BIOC-133N-10MG	4	BIOC-233N	21
BIOC-039N-1G	6	BIOC-134N-10MG	5	BIOC-234S	17
BIOC-040N	21	BIOC-135N-10MG	16	BIOC-235N-10MG	11
BIOC-041N	4	BIOC-136N	3	BIOC-236N-10MG	1
BIOC-042N	21	BIOC-137N-10MG	11	BIOC-237N-10MG	1
BIOC-043N-1G	16	BIOC-138N	15	BIOC-238N-10MG	23
BIOC-044N-1G	3	BIOC-139N-10MG	12	BIOC-239N-10MG	1
BIOC-045N	19	BIOC-140N	8		
BIOC-046N	9	BIOC-141N	20		
BIOC-047N-1G	11	BIOC-142N-10MG	7		
BIOC-049N	19	BIOC-143N-10MG	5		
BIOC-050S-CN	17	BIOC-144N-10MG	25		
BIOC-051N-10MG	20	BIOC-145N-10MG	24		
BIOC-052N	1	BIOC-146N-10MG	9		
BIOC-053N	16	BIOC-147N	26		
BIOC-054N-1G	19	BIOC-148N-10MG	15		
BIOC-055N	19	BIOC-149N-10MG	23		
BIOC-056S-TP	12	BIOC-150N	9		
BIOC-057N	9	BIOC-151N	6		
BIOC-058N	14	BIOC-153N	7		
BIOC-059N-50MG	16	BIOC-154N	6		
BIOC-060N	23	BIOC-155N	6		
BIOC-061N-10MG	9	BIOC-156N-10MG	8		
BIOC-062N	6	BIOC-157N-10MG	12		
BIOC-064N	7	BIOC-158N-10MG	13		
BIOC-065N	18	BIOC-159N-10MG	24		
BIOC-066N-1G	9	BIOC-161N-10MG	2		
BIOC-067N	2	BIOC-162S	8		
BIOC-068N	26	BIOC-163N	11		
BIOC-069N-50MG	19	BIOC-164N-25MG	24		
BIOC-070N	22	BIOC-165N-10MG	11		
BIOC-071N	24	BIOC-166N	26		
BIOC-072N-10MG	26	BIOC-167N	14		
BIOC-073N-10MG	3	BIOC-168N	1		
BIOC-074N	3	BIOC-169N	11		
BIOC-075N-10MG	18	BIOC-170N	16		
BIOC-076N-10MG	24	BIOC-171N	22		
BIOC-077N-10MG	17	BIOC-172N-10MG	26		
BIOC-078N	4	BIOC-174N	26		
BIOC-079N	4	BIOC-175N-10MG	5		
BIOC-080N-10MG	17	BIOC-176N-10MG	7		
BIOC-081N	9	BIOC-177N-10MG	4		
BIOC-083N-10MG	17	BIOC-178N-10MG	3		
BIOC-084N	25	BIOC-179S-D	10		
BIOC-085N-10MG	20	BIOC-180N-10MG	3		
BIOC-086N	14	BIOC-181S	13		
BIOC-087N-10MG	24	BIOC-183N-10MG	21		
BIOC-088S	21	BIOC-184N-10MG	19		
BIOC-089S	6	BIOC-185N-10MG	10		
BIOC-091N	22	BIOC-186N	16		
BIOC-092N	22	BIOC-187N	18		
BIOC-093N	22	BIOC-188N	13		
BIOC-095N-10MG	1	BIOC-189S-CN	26		
BIOC-096N	26	BIOC-190N-10MG	20		
BIOC-097S-CN	3	BIOC-191S	12		
BIOC-098N	10	BIOC-194N-10MG	22		
BIOC-099N-10MG	15	BIOC-195N	17		
BIOC-100N-10MG	18	BIOC-196N-10MG	10		

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