

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.

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

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.





| | | | | | |
|-------------------------------------|---|------------------|--|--------------|--|
| Abamectin | | | | | |
| BIOC-236N-10MG | 10 mg | | | GROUP | III |
| | | | | USES | 18 |
| CAS 71751-41-2 | | | <p>(i) R = CH(CH₃)₂</p> <p>(ii) R = H₃C-CH₂-CH₃</p> | | |
| Acetamiprid | | | | | |
| BIOC-237N-10MG | 10 mg | | | GROUP | III |
| | | | | USES | 18 |
| CAS 135410-20-7 | MF C ₁₀ H ₁₁ ClN ₄ | MW 222.67 | | | |
| Allethrin | | | | | |
| BIOC-239N-10MG | 10 mg | | | GROUP | III |
| | | | | USES | 18 |
| CAS 584-79-2 | MF C ₁₉ H ₂₆ O ₃ | MW 302.41 | | | |
| Ammonium bromide | | | | | |
| BIOC-095N-10MG | 10 mg | | | GROUP | I, II |
| | | | | USES | 2, 4, 6, 7, 9, 11, 12 |
| CAS 1212-97-9 | MF BrH ₄ N | MW 97.94 | NH ₄ Br | | |
| Ammonium sulfate | | | | | |
| BIOC-168N | 100 mg | | | GROUP | II |
| | | | | USES | 11, 12 |
| CAS 7783-20-2 | MF H ₈ N ₂ O ₄ S | MW 132.14 | (NH ₄) ₂ SO ₄ | | |
| Azamethiphos | | | | | |
| BIOC-215N-10MG | 10 mg | | | GROUP | III |
| | | | | USES | 18 |
| CAS 35575-96-3 | MF C ₉ H ₁₀ ClN ₂ O ₅ PS | MW 324.68 | | | |
| Bendiocarb | | | | | |
| BIOC-211N-10MG | 10 mg | | | GROUP | III |
| | | | | USES | 18 |
| CAS 22781-23-3 | MF C ₁₁ H ₁₃ NO ₄ | MW 223.23 | | | |
| Benzalkonium chloride (Tech) | | | | | |
| BIOC-052N | 100 mg | | | GROUP | I, II, III, IV |
| | | | | USES | 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 17, 22 |
| CAS 63449-41-2 | MF C ₁₉ H ₃₄ ClN | MW 311.93 | | | |

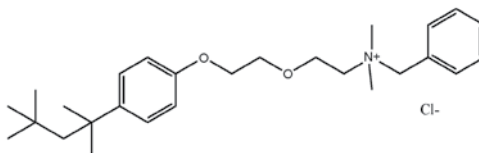


Biocides

Benzethonium chloride

BIOC-018N-25MG 25 mg

CAS 121-54-0 MF C₂₇H₄₂ClNO₂ MW 448.08



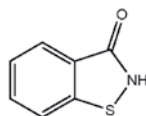
GROUP I

USES 1

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

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

CAS 2634-33-5 MF C₇H₅NOS MW 151.19



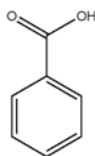
GROUP I, II, IV

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

Benzoic acid

BIOC-006N-25MG 25 mg

CAS 65-85-0 MF C₇H₆O₂ MW 122.12



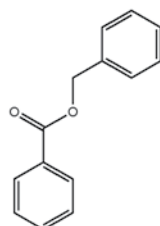
GROUP I, II, IV

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

Benzyl benzoate

BIOC-067N 100 mg

CAS 120-51-4 MF C₁₄H₁₂O₂ MW 212.24



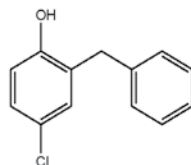
GROUP I, III

USES 2, 18

2-Benzyl-4-chlorophenol

BIOC-017N 100 mg

CAS 120-32-1 MF C₁₃H₁₁ClO MW 156.61



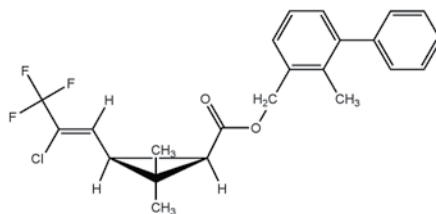
GROUP I, II

USES 1, 2, 3, 4, 6

Bifenthrin

BIOC-161N-10MG 10 mg

CAS 82657-04-3 MF C₂₃H₂₂ClF₃O₂ MW 422.87



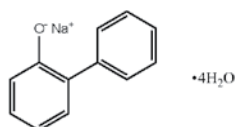
GROUP II, III

USES 8, 18

2-Biphenylol sodium salt tetrahydrate

BIOC-022N 100 mg

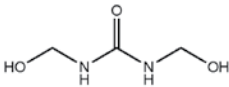
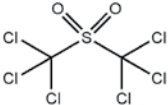
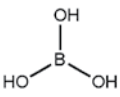
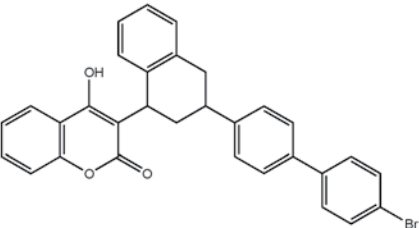
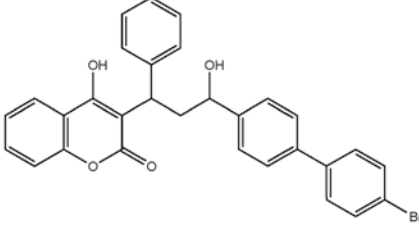
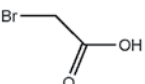
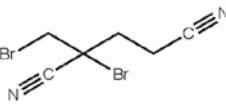
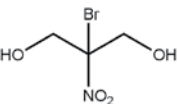
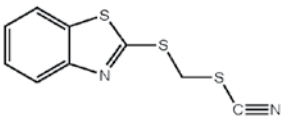
CAS 132-27-4 MF C₁₂H₁₇NaO₅ MW 264.25



GROUP I, II

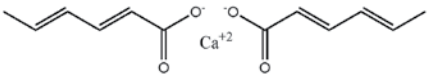
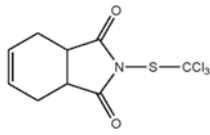
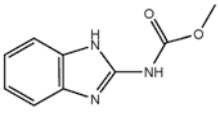
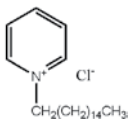
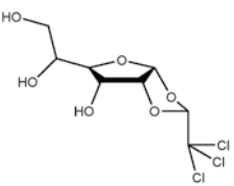
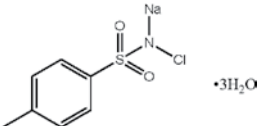
USES 1, 2, 3, 4, 6, 7, 9, 10, 13



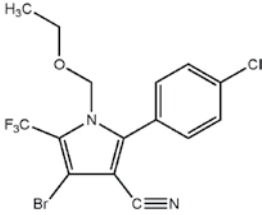
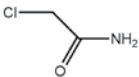
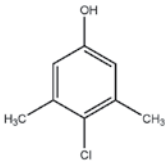
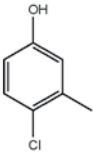
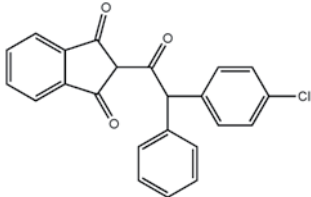
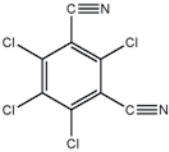
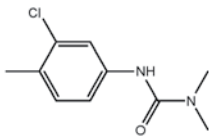
| | | |
|--|---|---|
| N,N'-Bis(hydroxymethyl)urea (MFG) | | |
| BIOC-074N | 100 mg | |
|  | | |
| CAS 140-95-4 | MF C ₃ H ₈ N ₂ O ₃ | MW 120.11 |
| | | GROUP I, II |
| | | USES 2, 6, 9, 11, 12, 13 |
| Bis(trichloromethyl) sulphone | | |
| BIOC-128N-10MG | 10 mg | |
|  | | |
| CAS 3064-70-8 | MF C ₂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



Biocides

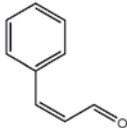
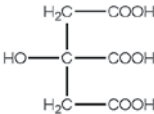
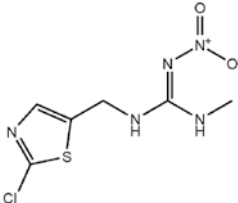
| Calcium hydroxide | | | | GROUP | I |
|---|--------|--|---|-------|-----------------------------|
| BIOC-078N | 100 mg | | Ca(OH)_2 | USES | 2, 3 |
| CAS 1305-62-0 MF CaH_2O_2 MW 74.09 | | | | | |
| Calcium hypochlorite | | | | GROUP | I, II |
| BIOC-041N | 100 mg | | Ca(OCl)_2 | USES | 1, 2, 3, 4, 5, 11 |
| CAS 7778-54-3 MF CaCl_2O_2 MW 142.98 | | | | | |
| Calcium oxide | | | | GROUP | I |
| BIOC-079N | 100 mg | | CaO | USES | 2, 3 |
| CAS 1305-78-8 MF CaO MW 56.08 | | | | | |
| Calcium sorbate | | | | GROUP | I, II, IV |
| BIOC-032N | 100 mg | |  | USES | 1, 3, 6, 7, 9, 20 |
| CAS 7492-55-9 MF $\text{C}_{12}\text{H}_{14}\text{CaO}_4$ MW 315.58 | | | | | |
| Captan | | | | GROUP | II |
| BIOC-122N-10MG | 10 mg | |  | USES | 6, 7, 9, 10 |
| CAS 133-06-2 MF $\text{C}_9\text{H}_8\text{Cl}_3\text{NO}_2\text{S}$ MW 300.59 | | | | | |
| Carbendazim | | | | GROUP | II |
| BIOC-133N-10MG | 10 mg | |  | USES | 6, 7, 9, 10, 11, 12, 13 |
| CAS 10605-21-7 MF $\text{C}_9\text{H}_9\text{N}_3\text{O}_2$ MW 191.19 | | | | | |
| Cetylpyridinium chloride | | | | GROUP | I, II, IV |
| BIOC-020N | 100 mg | |  | USES | 1, 2, 3, 4, 5, 6, 7, 9, 20 |
| CAS 123-03-5 MF $\text{C}_{21}\text{H}_{38}\text{ClN}$ MW 339.99 | | | | | |
| Chloralose | | | | GROUP | III, IV |
| BIOC-177N-10MG | 10 mg | |  | USES | 14, 15, 23 |
| CAS 15879-93-3 MF $\text{C}_8\text{H}_{11}\text{Cl}_3\text{O}_6$ MW 309.53 | | | | | |
| Chloramine T trihydrate | | | | GROUP | I, II |
| BIOC-021N | 100 mg | |  | USES | 1, 2, 3, 4, 5, 6, 9, 10, 11 |
| CAS 7080-50-4 MF $\text{C}_7\text{H}_7\text{Cl}_3\text{NNaO}_5\text{S} \cdot 3\text{H}_2\text{O}$ MW 281.69 | | | | | |



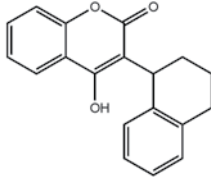
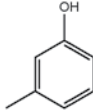
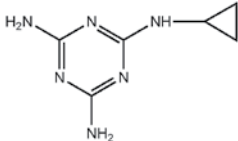
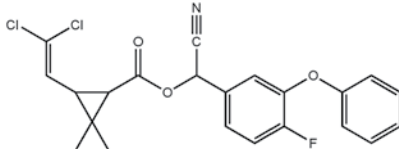
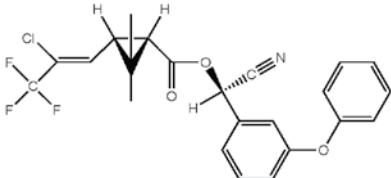
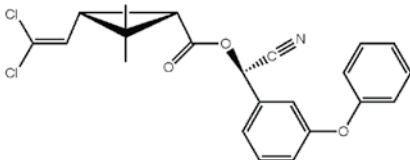
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|---|--------|--|--------------|----------------------------|
| Chlorfenapyr | | | | |
| BIOC-143N-10MG | 10 mg | | GROUP | II, III |
| | | | USES | 6, 7, 8, 9, 10, 12, 13, 18 |
| CAS 122453-73-0 MF C₁₅H₁₁BrClF₃N₂O MW 407.61 | | | | |
| | |  | | |
| Chloroacetamide | | | | |
| BIOC-109N | 100 mg | | GROUP | I, II |
| | | | USES | 3, 6, 7, 9, 10, 11, 13 |
| CAS 79-07-2 MF C₂H₄ClNO MW 93.51 | | | | |
| | |  | | |
| 4-Chloro-3,5-dimethylphenol | | | | |
| BIOC-012N-25MG | 25 mg | | GROUP | I, II |
| | | | USES | 1, 2, 3, 4, 5, 6 |
| CAS 88-04-0 MF C₈H₉ClO MW 156.61 | | | | |
| | |  | | |
| 4-Chloro-3-methylphenol | | | | |
| BIOC-003N-25MG | 25 mg | | GROUP | I, II |
| | | | USES | 1, 2, 3, 4, 6, 9, 10, 13 |
| CAS 59-50-7 MF C₇H₇ClO MW 142.58 | | | | |
| | |  | | |
| Chlorophacinone | | | | |
| BIOC-175N-10MG | 10 mg | | GROUP | III |
| | | | USES | 14 |
| CAS 3691-35-8 MF C₂₃H₁₅ClO₃ MW 374.82 | | | | |
| | |  | | |
| Chlorothalonil | | | | |
| BIOC-126N-10MG | 10 mg | | GROUP | II |
| | | | USES | 6, 7, 9, 10 |
| CAS 1897-45-6 MF C₈Cl₄N₂ MW 265.91 | | | | |
| | |  | | |
| Chlorotoluron | | | | |
| BIOC-134N-10MG | 10 mg | | GROUP | II |
| | | | USES | 6, 7, 9, 10, 11, 12, 13 |
| CAS 15545-48-9 MF C₁₀H₁₃ClN₂O MW 212.68 | | | | |
| | |  | | |



Biocides

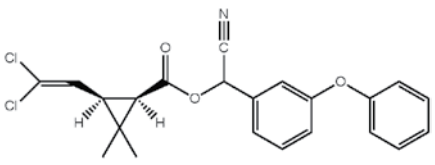
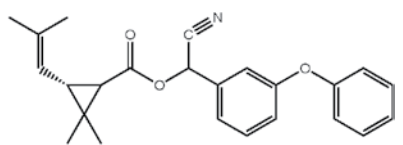
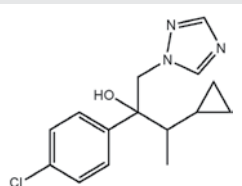
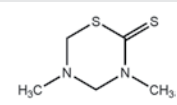
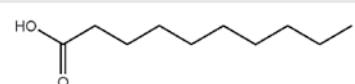
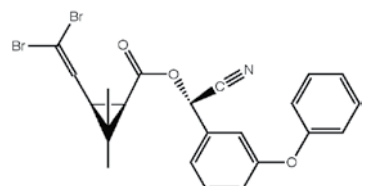
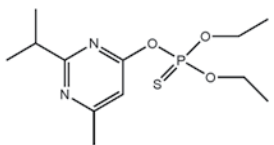
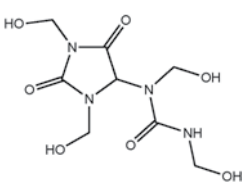
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|--|-----------------|--------|---|--|-----------------------------|
| Cinnamal | | | | | |
| BIOC-062N | 100 mg | | | | GROUP I |
| | | | | | USES 2 |
| CAS 104-55-2 MF C ₉ H ₈ O MW 132.16 | | |  | | |
| Citric acid | | | | | |
| BIOC-010N-25MG |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



| | | | | | |
|--|--------|--|--|--------------|----------|
| Coumatetralyl | | | | | |
| BIOC-176N-10MG | 10 mg | |  | GROUP | III |
| | | | | USES | 14 |
| CAS 5836-29-3 MF C₁₉H₁₆O₃ MW 292.33 | | | | | |
| Creosote from beechwood tar | | | | | |
| BIOC-153N | 100 mg | | Product is a mixture of many chemicals created by burning of beech woods | GROUP | II |
| | | | | USES | 8 |
| CAS 8021-39-4 | | | | | |
| m-Cresol | | | | | |
| BIOC-064N | 100 mg | |  | GROUP | I |
| | | | | USES | 2, 3 |
| CAS 108-39-4 MF C₇H₈O MW 108.14 | | | | | |
| Cyanamide | | | | | |
| BIOC-110N | 100 mg | | $\text{H}_2\text{N}-\text{C}\equiv\text{N}$ | GROUP | I, III |
| | | | | USES | 3, 18 |
| CAS 420-04-2 MF CH₂N₂ MW 42.04 | | | | | |
| N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine | | | | | |
| BIOC-221N-10MG | 10 mg | |  | GROUP | III |
| | | | | USES | 18 |
| CAS 66215-27-8 MF C₆H₁₀O₆ MW 166.18 | | | | | |
| Cyfluthrin | | | | | |
| BIOC-222N-10MG | 10 mg | |  | GROUP | III |
| | | | | USES | 18 |
| CAS 68359-37-5 MF C₂₂H₁₈Cl₂FNO₃ MW 434.29 | | | | | |
| L-Cyhalothrin | | | | | |
| BIOC-227N-10MG | 10 mg | |  | GROUP | III |
| | | | | USES | 18 |
| CAS 91465-08-6 MF C₂₃H₁₉ClF₃NO₃ MW 449.85 | | | | | |
| alpha-Cypermethrin | | | | | |
| BIOC-142N-10MG | 10 mg | |  | GROUP | II, III |
| | | | | USES | 6, 9, 18 |
| CAS 67375-30-8 MF C₂₂H₁₉Cl₂NO₃ MW 416.30 | | | | | |

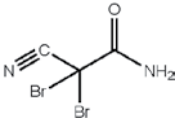
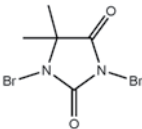
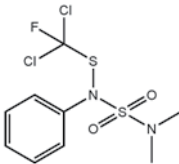
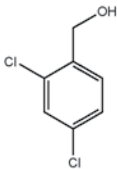
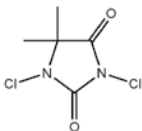
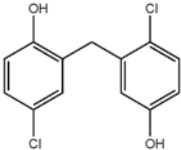


Biocides

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|--------------------------|--|------------------|--|--|--------------|------------------------|
| Cypermethrin | | | | | | |
| BIOC-156N-10MG | 10 mg | | | | GROUP | II, III |
| | | | | | USES | 8, 9, 18 |
| CAS 52315-07-8 | MF C₂₂H₁₉Cl₂NO₃ | MW 416.30 | | | | |
| | | |  | | | |
| Cyphenothrin | | | | | | |
| BIOC-216N-10MG | 10 mg | | | | GROUP | III |
| | | | | | USES | 18 |
| CAS 39515-40-7 | MF C₂₄H₂₅NO₃ | MW 375.46 | | | | |
| | | |  | | | |
| Cyproconazole | | | | | | |
| BIOC-162S | 100 µg/mL in Methanol | 1 mL | | | GROUP | II |
| | | | | | USES | 8 |
| CAS 94361-06-5 | MF C₁₅H₁₈ClN₃O | MW 291.78 | | | | |
| | | |  | | | |
| Dazomet | | | | | | |
| BIOC-125N-10MG | 10 mg | | | | GROUP | I, II |
| | | | | | USES | 6, 7, 8, 9, 10, 11, 12 |
| CAS 533-74-4 | MF C₅H₁₀N₂S₂ | MW 162.28 | | | | |
| | | |  | | | |
| Decanoic acid | | | | | | |
| BIOC-116N * | 100 mg | | | | GROUP | I, III |
| | | | | | USES | 4, 18, 19 |
| CAS 334-48-5 | MF C₁₀H₂₀O₂ | MW 172.26 | | | | |
| | | |  | | | |
| Deltamethrin | | | | | | |
| BIOC-218N-10MG | 10 mg | | | | GROUP | III |
| | | | | | USES | 18 |
| CAS 52918-63-5 | MF C₂₂H₁₉Br₂NO₃ | MW 505.20 | | | | |
| | | |  | | | |
| Diazinon | | | | | | |
| BIOC-201N-10MG | 10 mg | | | | GROUP | III |
| | | | | | USES | 18 |
| CAS 333-41-5 | MF C₁₂H₂₁N₂O₃PS | MW 304.35 | | | | |
| | | |  | | | |
| Diazolidinyl urea | | | | | | |
| BIOC-140N | 100 mg | | | | GROUP | II |
| | | | | | USES | 6, 7 |
| CAS 78491-02-8 | MF C₈H₁₄N₄O₇ | MW 278.22 | | | | |
| | | |  | | | |

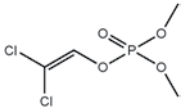
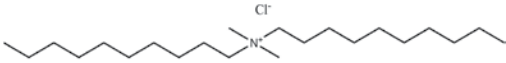
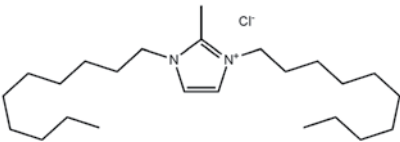
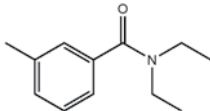
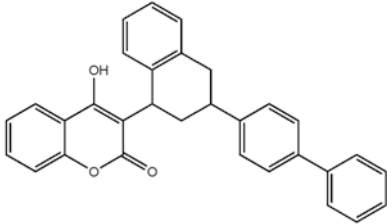
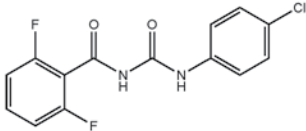
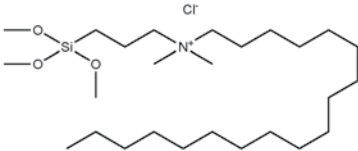
* To delay premature breakdown of thermally labile products in transit a ColdPAK is required.



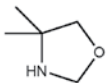
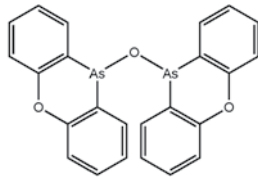
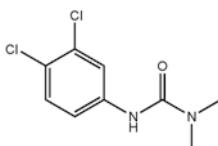
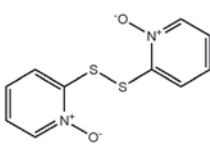
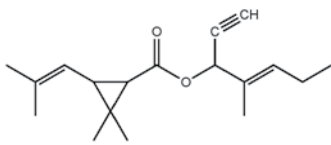
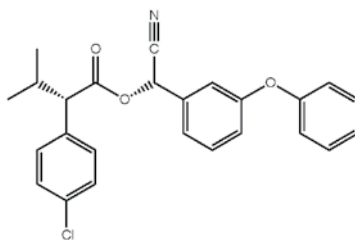
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|--|--------|--|---|--|
| Diboron trioxide | | | | |
| BIOC-150N | 100 mg | | B_2O_3 | GROUP II |
| | | | | USES 8 |
| CAS 1303-86-2 MF B_2O_3 MW 69.62 | | | | |
| 2,2-Dibromo-2-cyanoacetamide | | | | |
| BIOC-046N | 100 mg | |  | GROUP I, II |
| |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



Biocides

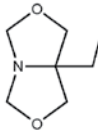
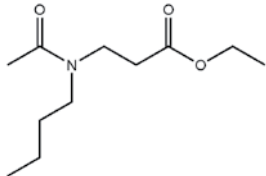

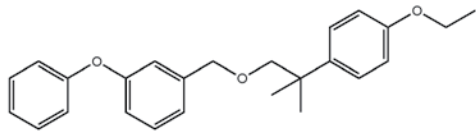
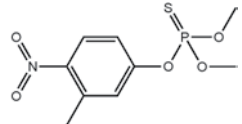
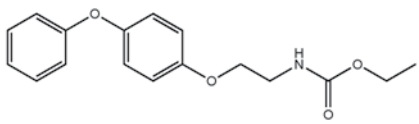
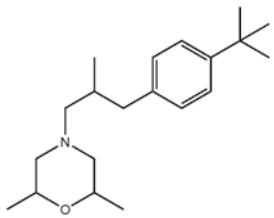
| | | | | | |
|---|------------------------------|------|--|--------------|--|
| Dichlorvos | | | | | |
| BIOC-185N-10MG | 10 mg | | | GROUP | III |
| | | | | USES | 18 |
| CAS 62-73-7 MF C ₄ H ₇ Cl ₂ O ₄ P MW 220.98 | | |  | | |
| Didecyldimethylammonium chloride | | | | | |
| BIOC-030N-10MG | 10 mg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



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



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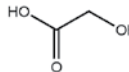
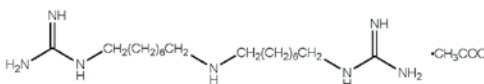
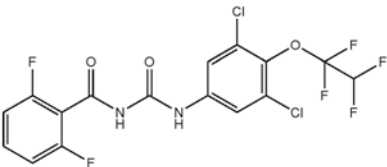
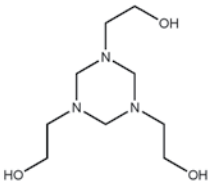
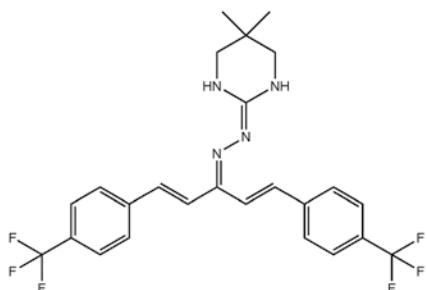
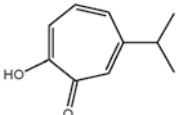
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| Ethanol | | | | | |
| BIOC-004N-25MG | 25 mg | | | | GROUP I |
| | | | | | USES 1, 2, 3, 4 |
| CAS 64-17-5 MF C₂H₆O MW 46.07 | | | <chem>CH3CH2OH</chem> | | |
| 5-Ethyl-1-aza-3,7-dioxabicyclo[3,3,0]octane | | | | | |
| BIOC-132N | 100 mg | | | | GROUP II |
| | | | | | USES 6, 11, 12, 13 |
| CAS 7747-35-5 MF C₇H₁₃NO₂ MW 143.18 | | |  | | |
| Ethyl butylacetylaminopropionate | | | | | |
| BIOC-217S | 100 µg/mL in Methanol | 1 mL | | | GROUP III |
| | | | | | USES 18 |
| CAS 52304-36-6 MF C₁₁H₂₁NO₃ MW 215.29 | | |  | | |
| Ethylene oxide | | | | | |
| BIOC-056S-TP | 5 mg/mL in Isooctane | 1 mL | | | GROUP I, IV |
| | | | | | USES 2, 20 |
| CAS 75-21-8 MF C₂H₄O MW 44.05 | | |  | | |
| Etofenprox | | | | | |
| BIOC-106N-10MG | 10 mg | | | | GROUP I, II, III |
| | | | | | USES 2, 3, 8, 18 |
| CAS 80844-07-1 MF C₂₅H₂₈O₃ MW 376.49 | | |  | | |
| Fenitrothion | | | | | |
| BIOC-191S | 100 µg/mL in Methanol | 1 mL | | | GROUP III |
| | | | | | USES 18 |
| CAS 122-14-5 MF C₉H₁₂NO₅PS MW 277.24 | | |  | | |
| Fenoxycarb | | | | | |
| BIOC-157N-10MG | 10 mg | | | | GROUP II |
| | | | | | USES 8 |
| CAS 72490-01-8 MF C₁₇H₁₉NO₄ MW 301.34 | | |  | | |
| Fenpropimorph | | | | | |
| BIOC-139N-10MG | 10 mg | | | | GROUP II |
| | | | | | USES 6, 7, 8, 9, 10, 12, 13 |
| CAS 67564-91-4 MF C₂₀H₃₃NO MW 303.48 | | |  | | |



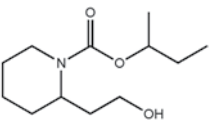
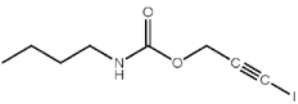
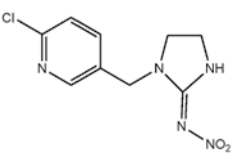
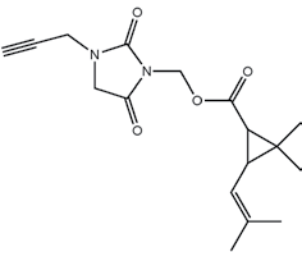
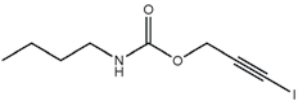
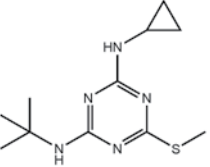
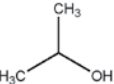
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|--|-----------------------|------|--------------|--|
| Fipronil | | | GROUP | III |
| BIOC-229N-10MG | 10 mg | | USES | 18 |
| CAS 120068-37-3 MF C ₁₂ H ₄ Cl ₂ F ₆ N ₄ OS MW 437.15 | | | | |
| | | | | |
| Flocoumafen | | | GROUP | III |
| BIOC-181S | 100 µg/mL in Methanol | 1 mL | USES | 14 |
| CAS 90035-08-8 MF C ₃₃ H ₂₅ F ₃ O ₄ MW 542.54 | | | | |
| | | | | |
| Flufenoxuron | | | GROUP | II, III |
| BIOC-158N-10MG | 10 mg | | USES | 8, 18 |
| CAS 101463-69-8 MF C ₂₁ H ₁₁ ClF ₄ N ₂ O ₃ MW 488.77 | | | | |
| | | | | |
| Fluometuron | | | GROUP | II |
| BIOC-127N-10MG | 10 mg | | USES | 6, 7, 9, 10, 11, 12, 13 |
| CAS 2164-17-2 MF C ₁₀ H ₁₁ F ₃ N ₂ O MW 232.20 | | | | |
| | | | | |
| Folpet | | | GROUP | II |
| BIOC-123N-10MG | 10 mg | | USES | 6, 7, 9, 10 |
| CAS 133-07-3 MF C ₉ H ₄ Cl ₃ NO ₂ S MW 296.56 | | | | |
| | | | | |
| Formic acid | | | GROUP | I, II |
| BIOC-005N-25MG | 25 mg | | USES | 1, 2, 3, 4, 5, 6, 9, 11, 12, 13 |
| CAS 64-18-6 MF CH ₂ O ₂ MW 46.03 | | | | |
| | | | | |
| Geraniol | | | GROUP | III |
| BIOC-188N | 100 mg | | USES | 18, 19 |
| CAS 106-24-1 MF C ₁₀ H ₁₈ O MW 154.25 | | | | |
| | | | | |
| Gluteraldehyde | | | GROUP | I, II, IV |
| BIOC-016S-W | 50% wt. in Water | 1 mL | USES | 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 22 |
| CAS 111-30-8 MF C ₅ H ₈ O ₂ MW 100.12 | | | | |
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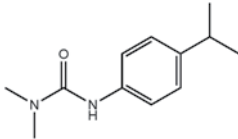
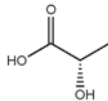
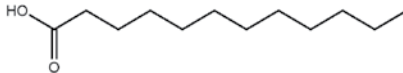
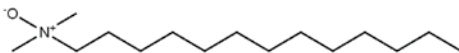
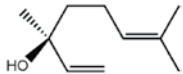
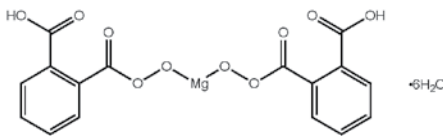
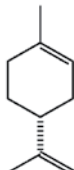
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| Glycolic acid | | | | | |
| BIOC-058N | 100 mg | |  | GROUP | I, II |
| | | | | USES | 2, 3, 4, 12 |
| CAS 79-14-1 MF C ₂ H ₄ O ₃ MW 76.05 | | | | | |
| Guazatine acetate (Tech) | | | | | |
| BIOC-108N-10MG | 10 mg | |  | GROUP | I |
| | | | | USES | 2 |
| CAS 115044-19-4 MF C ₂₄ H ₅₃ N ₇ O ₆ MW 535.72 | | | | | |
| Hexaflumuron | | | | | |
| BIOC-224N-10MG | 10 mg | |  | GROUP | III |
| | | | | USES | 18 |
| CAS 86479-06-3 MF C ₁₆ H ₈ Cl ₂ F ₆ N ₂ O ₃ MW 461.14 | | | | | |
| Hexahydro-1,3,5-tris(hydroxyethyl)triazine | | | | | |
| BIOC-086N | 100 mg | |  | GROUP | I, II |
| | | | | USES | 2, 3, 4, 6, 9, 11, 12, 13 |
| CAS 4719-04-4 MF C ₉ H ₂₁ N ₃ O ₃ MW 219.28 | | | | | |
| Hydamethylnon | | | | | |
| BIOC-226S | 100 µg/mL in Methanol | 1 mL | | GROUP | III |
| | | | | USES | 18 |
| CAS 67485-29-4 MF C ₂₅ H ₂₄ F ₆ N ₄ MW 494.48 | | | | | |
| | | |  | | |
| 2-Hydroxy-4-isopropyl-2,4,6-cycloheptatrien-1-one | | | | | |
| BIOC-167N | 100 mg | |  | GROUP | II |
| | | | | USES | 10 |
| CAS 499-44-5 MF C ₁₀ H ₁₂ O ₂ MW 164.20 | | | | | |



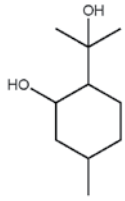
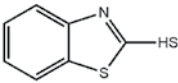
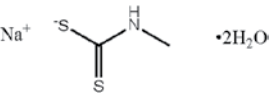
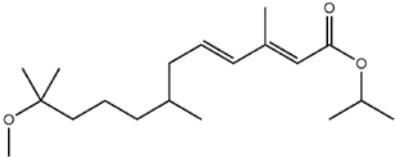
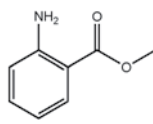
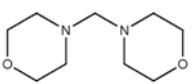
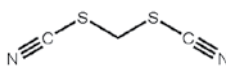
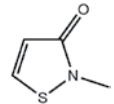
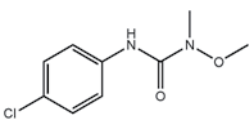
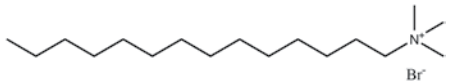
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|--|---------------------------|------|--|--|
| Icaridin | | | | |
| BIOC-228S-CN | 100 µg/mL in Acetonitrile | 1 mL | | GROUP III |
| | | | | USES 19 |
| CAS 119515-38-7 MF C ₁₂ H ₂₃ NO ₃ MW 229.32 | | |  | |
| Imazalil | | | | |
| BIOC-099N-10MG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



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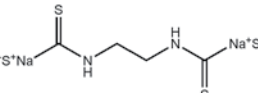
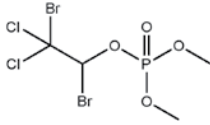
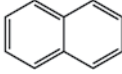
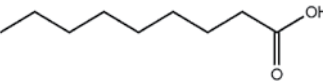
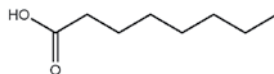
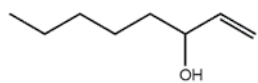
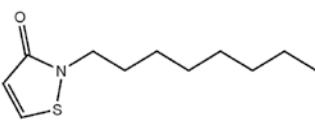

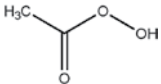
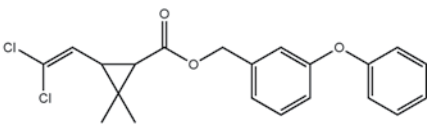
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| Isoproturon | | | | | |
| BIOC-135N-10MG | 10 mg | | | GROUP | II |
| | | | | USES | 6, 7, 9, 10, 11, 12, 13 |
| CAS 34123-59-6 MF C ₁₂ H ₁₈ N ₂ O MW 206.28 | | |  | | |
| L-(+)-Lactic acid | | | | | |
| BIOC-059N-50MG | 50 mg | | | GROUP | I, II,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



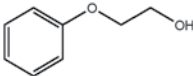
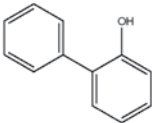
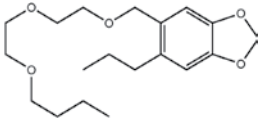
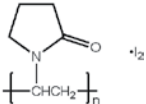
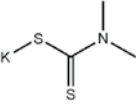
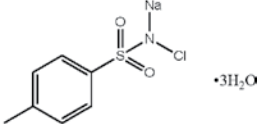
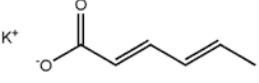
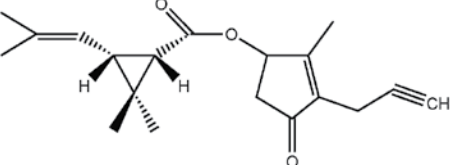
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|---|---------------------------|------|--|--------------|-----------------------------------|
| (+)-cis-p-Menthane-3,8-diol | | | | | |
| BIOC-050S-CN | 100 µg/mL in Acetonitrile | 1 mL |  | GROUP | I, III |
| | | | | USES | 1, 2, 19 |
| CAS 42822-86-6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



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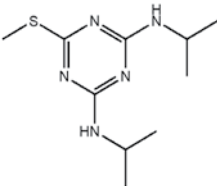
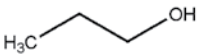
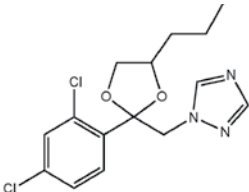
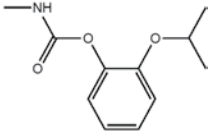
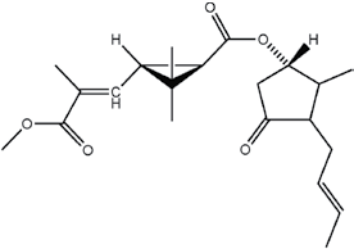
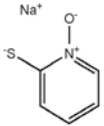
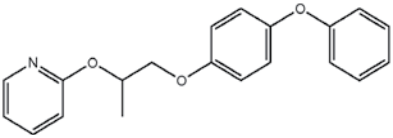
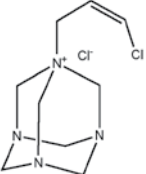
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|--|-----------------------|------|--|--|--|
| Nabam | | | | | |
| BIOC-075N-10MG | 10 mg | | | | GROUP I, II |
| | | | | | USES 2, 4, 6, 9, 10, 11, 12, 13 |
| CAS 142-59-6 MF C ₄ H ₈ N ₂ Na ₂ S ₄ MW 256.35 | | |  | | |
| Naled | | | | | |
| BIOC-200N-10MG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



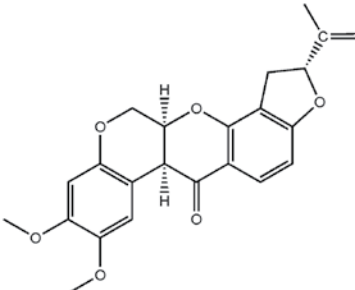
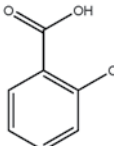
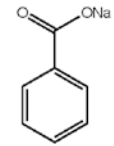
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|---|-----------------------|------|--|---|
| 2-Phenoxyethanol | | | | |
| BIOC-019N-25MG | 25 mg | |  | GROUP I, II USES 1, 2, 3, 4, 6, 7, 10, 11, 13 |
| CAS 122-99-6 MF C ₈ H ₁₀ O ₂ MW 138.16 | | | | |
| o-Phenylphenol | | | | |
| BIOC-013N-25MG | 25 mg | |  | GROUP I, II USES 1, 2, 3, 4, 6, 7, 9, 10, 13 |
| CAS 90-43-7 MF C ₁₂ H ₁₀ O MW 170.21 | | | | |
| Piperonyl butoxide | | | | |
| BIOC-184N-10MG | 10 mg | |  | GROUP III USES 18, 19 |
| CAS 51-03-6 MF C ₁₉ H ₃₀ O ₅ MW 338.44 | | | | |
| Poly(vinylpyrrolidone) iodine complex | | | | |
| 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 ₄ H ₆ NO(CHCH ₂) _n • I ₂ | | | | |
| Potassium dimethyl dithiocarbamate | | | | |
| BIOC-069N-50MG | 50 mg | |  | GROUP I, II USES 2, 4, 6, 9, 10, 11, 12, 13 |
| CAS 128-03-0 MF C ₃ H ₆ KNS ₂ MW 159.32 | | | | |
| Potassium monopersulfate triple salt | | | | |
| BIOC-054N-1G | 1 gram | | $\text{KHSO}_5 \cdot 1/2\text{KHSO}_4 \cdot 1/2\text{K}_2\text{SO}_4$ | GROUP I, II USES 1, 2, 3, 4, 5, 11, 12 |
| CAS 70693-62-8 MF KHSO ₅ • .5KHSO ₄ • .5K ₂ SO ₄ MW 307.38 | | | | |
| Potassium permanganate | | | | |
| BIOC-121N | 100 mg | |  | GROUP I USES 5 |
| CAS 7722-64-7 MF KMnO ₄ MW 158.03 | | | | |
| Potassium sorbate | | | | |
| BIOC-049N | 100 mg | |  | GROUP I, II USES 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 |
| CAS 24634-61-5 MF C ₆ H ₇ KO ₂ MW 150.22 | | | | |
| Potassium sulfite | | | | |
| BIOC-045N | 100 mg | | K_2SO_3 | GROUP I, II, IV USES 1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22 |
| CAS 10117-38-1 MF K ₂ O ₃ S MW 158.26 | | | | |
| Prallethrin | | | | |
| BIOC-212S | 100 µg/mL in Methanol | 1 mL |  | GROUP III USES 18 |
| CAS 23031-36-9 MF C ₁₉ H ₂₄ O ₃ MW 300.39 | | | | |



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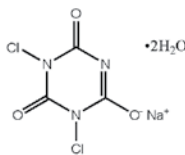
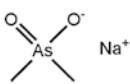
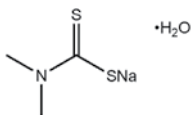
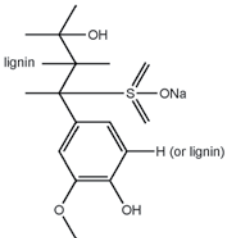
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| Prometryne | | | | |
| BIOC-131N-10MG | 10 mg | |  | GROUP II USES 6, 7, 9, 10, 11, 12, 13 |
| CAS 7287-19-6 MF C₁₀H₁₉N₅S MW 241.36 | | | | |
| 1-Propanol | | | | |
| BIOC-009N-25MG | 25 mg | |  | GROUP I USES 1, 2, 3, 4 |
| CAS 71-23-8 MF C₃H₈O MW 60.10 | | | | |
| Propiconazole | | | | |
| BIOC-051N-10MG | 10 mg | |  | GROUP I, II, IV USES 1, 2, 4, 7, 8, 9, 10, 12, 13, 20 |
| CAS 60207-90-1 MF C₁₅H₁₇Cl₂N₃O₂ MW 342.22 | | | | |
| Propoxur | | | | |
| BIOC-190N-10MG | 10 mg | |  | GROUP III USES 18 |
| CAS 114-26-1 MF C₁₁H₁₅NO₃ MW 209.24 | | | | |
| Pyrethrins (Tech Mix) | | | | |
| BIOC-209N-10MG | 10 mg | |  | GROUP III USES 18, 19 |
| CAS 8003-34-7 MF C₂₁H₃₀O₅ MW 362.46 | | | | |
| Pyridine-2-thiol-1-oxide, sodium salt | | | | |
| BIOC-085N-10MG | 10 mg | |  | GROUP I, II USES 2, 3, 4, 6, 7, 9, 10, 11, 12, 13 |
| CAS 3811-73-2 MF C₅H₄NNaOS MW 149.15 | | | | |
| Pyriproxyfen | | | | |
| BIOC-232N-10MG | 10 mg | |  | GROUP III USES 18 |
| CAS 95737-68-1 MF C₂₀H₁₉NO₃ MW 321.37 | | | | |
| Quaternium-15 | | | | |
| BIOC-141N | 100 mg | |  | GROUP II USES 6, 9, 12, 13 |
| CAS 51229-78-8 MF C₉H₁₆Cl₂N₄ MW 251.16 | | | | |



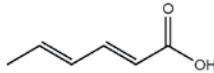
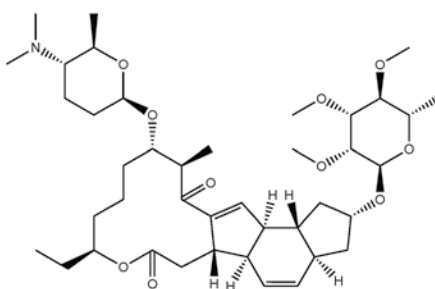
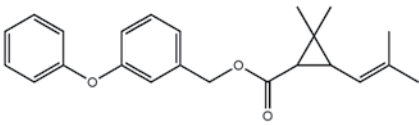
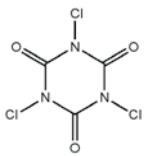
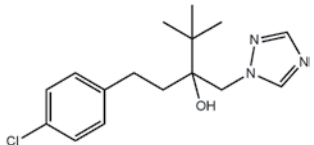
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|--|--------------------------|--------|---|--------------|--------------------------------------|
| Rotenone | | | | GROUP | III |
| BIOC-183N-10MG | 10 mg | | | USES | 17 |
| CAS 83-79-4 MF C₂₃H₂₂O₆ MW 394.42 | | | | | |
|  | | | | | |
| Salicylic acid | | | | GROUP | I, II |
| BIOC-008N-25MG | 25 mg | | | USES | 1, 2, 3, 4, 6 |
| CAS 69-72-7 MF C₇H₆O₃ MW 138.12 | | | | | |
|  | | | | | |
| Silicium dioxide | | | | GROUP | III |
| BIOC-233N | 100 mg | | A form of silicon dioxide composed of skeletons of prehistoric aquatic plants | USES | 18 |
| CAS 61790-53-2 | | | | | |
| Silicon dioxide | | | | GROUP | I, III, IV |
| BIOC-111N | 100 mg | | SiO₂ | USES | 3, 18, 20 |
| CAS 7631-86-9 MF SiO₂ MW 60.08 | | | | | |
| Silver | | | | GROUP | I, II |
| BIOC-088S | 1000 µg/mL in | 100 mL | Ag | USES | 2, 4, 5, 9, 11 |
| | tr. Nitric acid in Water | | | | |
| CAS 7440-22-4 MF Ag MW 107.87 | | | | | |
| Silver chloride | | | | GROUP | I, II |
| BIOC-042N | 100 mg | | AgCl | USES | 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 13 |
| CAS 7783-90-6 MF AgCl MW 143.32 | | | | | |
| Silver nitrate | | | | GROUP | I |
| BIOC-040N | 100 mg | | AgNO₃ | USES | 1 |
| CAS 7761-88-8 MF AgNO₃ MW 169.87 | | | | | |
| Sodium benzoate | | | | GROUP | I, II, IV |
| BIOC-023N | 100 mg | |  | USES | 1, 2, 6, 11, 20 |
| CAS 532-32-1 MF C₇H₅NaO₂ MW 144.10 | | | | | |
| Sodium bisulfite | | | | GROUP | I, II, IV |
| BIOC-034N-1G | 1 gram | | NaHSO₃ | USES | 1, 2, 4, 5, 6, 9, 11, 12, 13, 20, 22 |
| CAS 7631-90-5 MF HNaO₃S MW 104.06 | | | | | |



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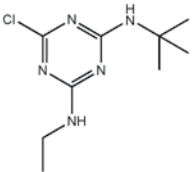
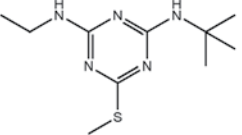
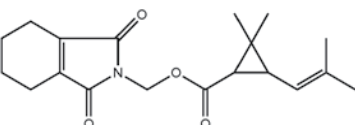
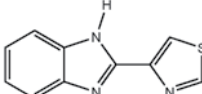
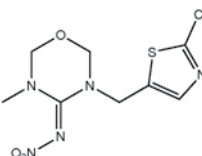
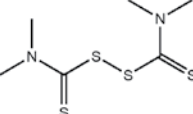
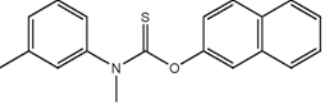
| Sodium bromide | | | | | |
|---|--------|--|---|-------|--------------------------------------|
| BIOC-091N | 100 mg | | NaBr | GROUP | I, II |
| | | | | USES | 2, 4, 6, 7, 9, 11, 12, 13 |
| CAS 7647-15-6 MF NaBr MW 102.89 | | | | | |
| Sodium chlorate | | | | | |
| BIOC-093N | 100 mg | | NaClO ₃ |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



| | | | | |
|---|--------|--|--|---|
| Sodium persulfate | | | | |
| 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 | | | | |
| Sodium sulphite | | | | |
| BIOC-038N-1G | 1 gram | | Na_2SO_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 | | | | |
| Sodium tetraborate | | | | |
| 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 | | | | |
| Sorbic acid | | | | |
| 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 | | | | |
| Spinosad (Tech) | | | | |
| BIOC-113N-10MG | 10 mg | |  | GROUP I, III |
| | | | | USES 3, 18 |
| CAS 168316-95-8 | | | | |
| Sumithrin | | | | |
| 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 | | | | |
| Symclosene | | | | |
| 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 | | | | |
| Tebuconazol | | | | |
| BIOC-149N-10MG | 10 mg | |  | GROUP II |
| | | | | USES 7, 8, 9, 10 |
| CAS 107534-96-3 MF $\text{C}_{16}\text{H}_{22}\text{ClN}_3\text{O}$ MW 307.82 | | | | |



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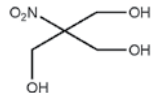
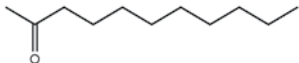
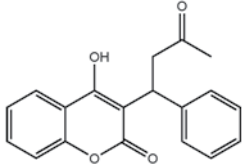
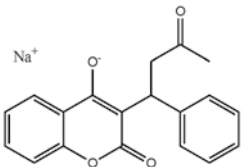
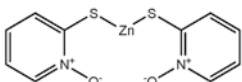
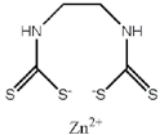
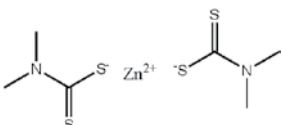
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|--|--------|--|--|-----------------------------------|
| Terbutylazine | | | | |
| BIOC-087N-10MG | 10 mg | | GROUP | I, II |
| | | | USES | 2, 11, 12 |
| CAS 5915-41-3 MF C₉H₁₆ClN₅ MW 229.71 | | |  | |
| Terbutryn | | | | |
| BIOC-145N-10MG | 10 mg | | GROUP | II |
| | | | USES | 7, 9, 10 |
| CAS 886-50-0 MF C₁₀H₁₉N₅S MW 241.36 | | |  | |
| Tetramethrin | | | | |
| BIOC-207N-10MG | 10 mg | | GROUP | III |
| | | | USES | 18 |
| CAS 7696-12-0 MF C₁₉H₂₅NO₄ MW 331.41 | | |  | |
| Thiabendazole | | | | |
| BIOC-076N-10MG | 10 mg | | GROUP | I, II, IV |
| | | | USES | 2, 6, 7, 8, 9, 10, 11, 12, 13, 20 |
| CAS 148-79-8 MF C₁₀H₇N₃S MW 201.25 | | |  | |
| Thiamethoxam | | | | |
| BIOC-159N-10MG | 10 mg | | GROUP | II, III |
| | | | USES | 8, 9, 18 |
| CAS 153719-23-4 MF C₈H₁₀ClN₅O₃S MW 291.72 | | |  | |
| Thiram | | | | |
| BIOC-071N | 100 mg | | GROUP | I, II |
| | | | USES | 2, 6, 7, 9, 10, 11, 12 |
| CAS 137-26-8 MF C₆H₁₂N₂S₄ MW 240.44 | | |  | |
| THPS (Tech Grade) | | | | |
| BIOC-101N | 100 mg | | GROUP | I, II |
| | | | USES | 2, 6, 9, 11, 12 |
| CAS 55566-30-8 MF [P(CH₂OH)₄]₂SO₄ MW 406.28 | | | $[P(CH_2OH)_4]_2SO_4$ | |
| Tolnaftate | | | | |
| BIOC-164N-25MG | 25 mg | | GROUP | II |
| | | | USES | 9 |
| CAS 2398-96-1 MF C₁₉H₁₇NOS MW 307.41 | | |  | |



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



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

Compound Index

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

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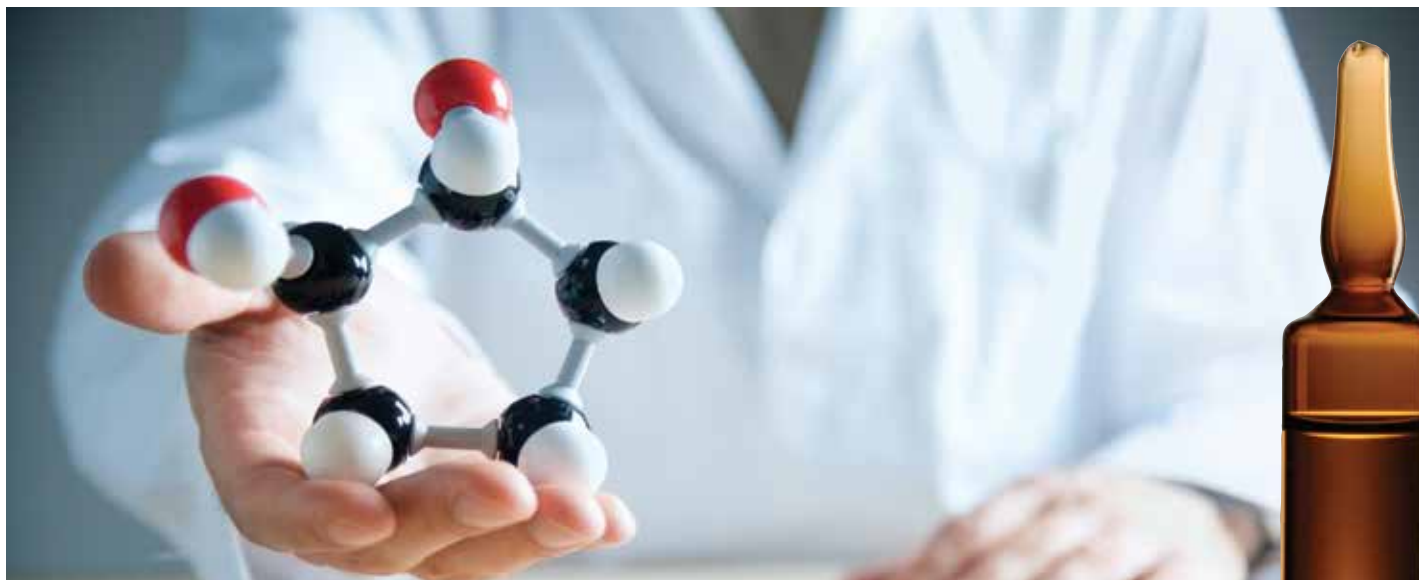
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| BIOC-005N-25MG | 13 | BIOC-104N | 16 | BIOC-202N | 6 |
| BIOC-006N-25MG | 2 | BIOC-105N | 25 | BIOC-203N | 6 |
| BIOC-007N-25MG | 15 | BIOC-106N-10MG | 12 | BIOC-205N | 18 |
| BIOC-008N-25MG | 21 | BIOC-108N-10MG | 14 | BIOC-207N-10MG | 24 |
| BIOC-009N-25MG | 20 | BIOC-109N | 5 | BIOC-209N-10MG | 20 |
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| 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 |
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| 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 |
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| 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 |
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| 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 | | |
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| BIOC-058N | 14 | BIOC-153N | 7 | | |
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| BIOC-060N | 23 | BIOC-155N | 6 | | |
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| 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 | | |
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| 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 | | |
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