

# CYPERMETHRIN

Process, Uses, Technology,  
Products, Patents,  
Consultants, Company  
Profiles, Reports, Function,  
Suppliers

[WWW.PRIMARYINFO.COM](http://WWW.PRIMARYINFO.COM)

# WHAT IS IT?

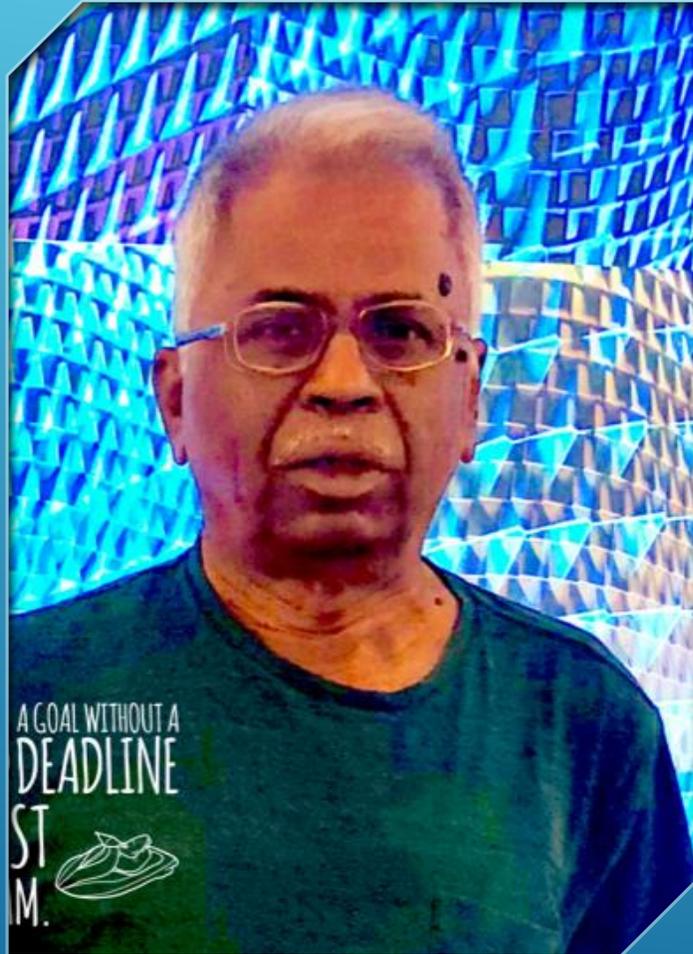
Cypermethrin is a pyrethroid pesticide and is used in the control of a wide range of insects on crops like vegetables, cereals, maize etc.

# HOW IT IS MANUFACTURED?

The solution of sodium cyanide in water reacts with Metaphenoxy Benzaldehyde (MPBD) to form MPB cyanohydrine which then reacts with Cypermethric acid chloride (CMAC) in presence of phase transfer catalyst. Hexane is used as solvent. After reaction, organic layer and cyanide layer is separated. The separated cyanide layer is being detoxified with hydrogen peroxide in Wastewater Pretreatment plant. The organic mass is washed with soda ash, sodium hypochlorite, acetic acid and water to remove impurities and solvent is recovered from organic to produce cypermethrin.

# MARKET SCENARIO

- Cypermethrin, an insecticide belonging to group Pyrethroid, is used for controlling various pests such as Agriotes & Oscinella & Scutigera, Spodoptera, Agrotis, Heliothis, Anticarsia & Plusia among others.
- China, Brazil, China, France, and Argentina are the leading country markets among others.
- Emulsifiable Concentrate & Granules were the leading formulations with around half of the market share
- Agrochemicals experts estimated global Cypermethrin market to
- be more than USD 320 Million.



NEED FURTHER INFORMATION ?



<mailto:primaryinfo@gmail.com>