

PRODUCT DATA SHEET

DESILINE BIO VCI MASTERBATCH

Description and Uses

DESILINE BIO VCI MASTERBATCH is a linear low-density polyethylene VCI masterbatch additive. It contains a proprietary formulation and is used as a masterbatch additive for the production of VCI Film or Bag. **DESILINE BIO VCI MASTERBATCH** is a nitrite-free anti-corrosion masterbatch designed for both ferrous and non-ferrous metals. **DESILINE BIO VCI MASTERBATCH** is safe for human health and the environment as it doesn't contain any harmful chemicals. VCI masterbatch and extrusion product of polyethylene film release active VCI (Volatile Corrosion Inhibitor) anticorrosion molecules to protect the metal parts from corrosion.



It is safe and doesn't need any changes in the manufacturing process. **DESILINE BIO VCI MASTERBATCH** additive has a broad spectrum of formulation applications and is currently being used for production of VCI Polyethylene Bags, shrouds, tubing film and sheeting films.

Product Advantages

- **BIO VCI MASTERBATCH** provides effective corrosion protection to all types of metals.
- The VCI vapors vaporize and condense on all metal surfaces in the closed area and therefore the VCI molecules provide complete corrosion protection during storage and shipping eliminating 100% rust and corrosion.
- **BIO VCI MASTERBATCH** is free of nitrites, chromates and phosphates therefore do not have any hazardous effect.
- **BIO VCI MASTERBATCH** series are suitable for the protection of parts made from aluminum, galvanized steel, cast iron, carbon steels, silicon steels, stainless steel, silver, copper, brass and solder.
- **BIO VCI MASTERBATCH** does not change physical resistance of polyethylene films and not cause undesired changes like bubbles, unmolded particles, coloring.

Method of Application

The suggested standart loading is about minimum %3 DESILINE BIO VCI MASTERBATCH to polyethylene resin. This will produce a final film that can be produced by either blown or cast extrusion methods at normal operating and temperature conditions. The final film passes all standard accelerated corrosion and aging test.

Transport and Handling

DESILINE BIO VCI MASTERBATCH products should always be kept in an airtight environment.

General Notes:

The information in these publications reflects our own average findings and comments for our products however the use of the product may vary according to the field of application and the buyer is solely responsible for the application, use and reprocessing of the material.