

## TECHNICAL DATASHEET

# Mecoprop

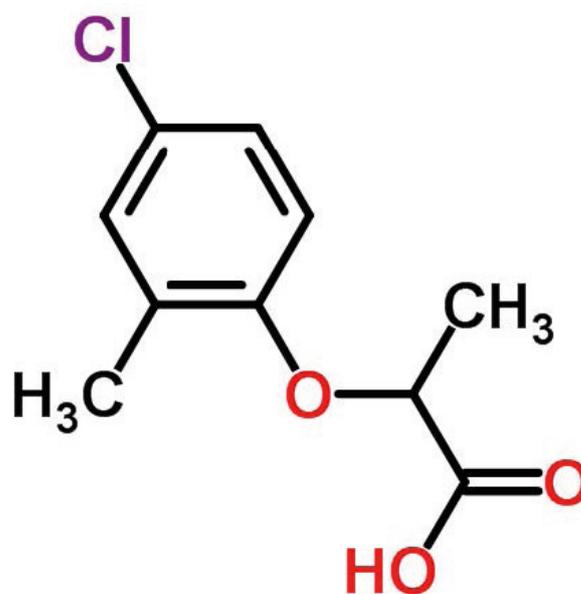
**Mecoprop is a common herbicide widely used for agricultural, horticultural and domestic purposes.**

Mecoprop, commonly known as MCPP, is a chlorophenoxy herbicide that is used to control a variety of weeds. It is used extensively on turf such as residential lawns, sports fields and golf courses to control a range of broadleaf weeds such as knotweed, clover and plantain.

It is frequently present in landfill leachate and is considered one of the key indicators of pollution from municipal solid waste landfill. Mecoprop is water-soluble and subject to relatively little retardation by sorption processes. It is therefore subject to relatively rapid transport in soil pore, water and groundwater.

In the UK the Environment Agency has assigned an Environmental Assessment Level (EAL) to Mecoprop of 0.04µg/l ALS Environmental offer Mecoprop analysis in line with customer requirements within the Landfill sector. The range of analysis offered is 0.04µg/l - 20.0µg/l.

In plants, MCPP-p increases cell wall plasticity, and stimulates protein synthesis and ethylene production. This interferes with normal plant growth, damaging vascular tissue.

**BACKGROUND INFORMATION**

**Molecular Formula:** C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub>  
**Systematic Name:** 2-(4-Chloro-2-methylphenoxy)propanoic acid  
**CAS Number:** 93-65-2