

# Our Capability in Industrial Chemicals: Biocides

## Physical-Chemical Testing

EPP has significant experience in performing the physical-chemical tests required to register biocides. We can perform the following tests to help you get your product to market:

### OECD Guidelines

- OECD 101 UV-VIS Absorption Spectra
- OECD 104 Vapour Pressure
- OECD 105 Water Solubility
- OECD 107 Partition Coefficient (n-octanol/water): Shake Flask Method
- OECD 109 Density of Liquids and Solids
- OECD 112 Dissociation Constants in Water
- OECD 114 Viscosity of Liquids
- OECD 117 Partition Coefficient (n-octanol/water): HPLC Method

### EC Test Methods

- A1 Melting/Freezing Temperature
- A2 Boiling Temperature
- A3 Relative Density
- A4 Vapour Pressure
- A6 Water Solubility
- A8 Partition Coefficient
- A15 Auto-Ignition Temperature (Liquids and Gases)

### CIPAC Methods

- MT 31 Free Acidity or Alkalinity
- MT 75 Determination of pH Values
- MT 186 Bulk Density
- MT 191 Acidity or Alkalinity of Formulations

[Please contact enquiries@eppltd.com for further information](mailto:enquiries@eppltd.com)



# Environmental Safety Testing

EPP has significant experience in performing the ecotoxicology tests required to register biocides. We can perform the following tests to help you get your product to market:

## Freshwater Aquatic Tests

- OECD 201
- OECD 210
- OECD 218
- OECD 229
- OECD 238
- OECD 202
- OECD 211
- OECD 219
- OECD 230
- OECD 239
- OECD 203
- OECD 212
- OECD 221
- OECD 231
- OECD 305
- OECD 209
- OECD 215
- OECD 225
- OECD 234

## Marine Aquatic Tests

- ISO 10253
- ASTM E1367
- OCSPP 850.1075
- OCSPP 850.1350

## Terrestrial Tests

- OECD 207
- OECD 216
- OECD 218
- OECD 227
- OECD 208
- OECD 220
- OECD 219
- OECD 232
- OECD 213
- OECD 222
- OECD 221
- OECD 317
- OECD 214
- OECD 226
- OECD 225

**Bespoke tests are also available on request**

Please contact [enquiries@eppltd.com](mailto:enquiries@eppltd.com) for further information



# Environmental Safety Testing

## Freshwater Aquatic Tests

- OECD 201 Freshwater Alga and Cyanobacteria, Growth Inhibition Test
- OECD 202 *Daphnia* sp. Acute Immobilisation Test
- OECD 203 Fish, Acute Toxicity Test
- OECD 209 Activated Sludge Respiration Inhibition Test
- OECD 210 Fish, Early Life Stage Toxicity Test
- OECD 211 *Daphnia magna* Reproduction Test
- OECD 212 Fish, Short-term Toxicity Test on Embryo and Sac-Fry Stages
- OECD 215 Fish, Juvenile Growth Test
- OECD 218 Sediment-Water Chironomid Toxicity Using Spiked Sediment
- OECD 219 Sediment-Water Chironomid Toxicity Using Spiked Water
- OECD 221 *Lemna* sp. Growth Inhibition Test
- OECD 225 Sediment-Water Lumbriculus Toxicity Test Using Spiked Sediment
- OECD 229 Fish Short Term Reproduction Assay
- OECD 230 21-Day Fish Assay: A Short-Term Screening for Oestrogenic and Androgenic Activity and Aromatase Inhibition
- OECD 231 Amphibian Metamorphosis Assay
- OECD 234 Fish Sexual Development Test
- OECD 238 Sediment-Free *Myriophyllum spicatum* Toxicity Test
- OECD 239 Water-Sediment *Myriophyllum spicatum* Toxicity Test
- OECD 305 Bioaccumulation in Fish: Aqueous and Dietary Exposure

## Marine Aquatic Tests

- ISO 10253 Marine Algal Growth
- ASTM E1367 Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
- OCSPP 850.1075 Fish Acute Toxicity Test, Freshwater and Marine
- OCSPP 850.1350 Mysid Chronic Toxicity Test

## Terrestrial Tests

- OECD 207 Earthworm, Acute Toxicity Tests
- OECD 208 Terrestrial Plant Test: Seedling Emergence and Seedling Growth
- OECD 213 Honeybees, Acute Oral Toxicity Test
- OECD 214 Honeybees, Acute Contact Toxicity Test
- OECD 216 Soil Microorganisms: Nitrogen Transformation Test
- OECD 220 Enchytraeid Reproduction Test
- OECD 222 Earthworm Reproduction Test
- OECD 226 Predatory Mite (*Hypoaspis aculeifer*) Reproduction Test in Soil
- OECD 227 Terrestrial Plant Test: Vegetative Vigour
- OECD 232 Collembolan Reproduction Test in Soil
- OECD 317 Bioaccumulation in Terrestrial Oligochaetes
- ISO 11267 Inhibition of Reproduction of Collembola (*Folsomia candida*) by Soil Pollutants

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