

AC Kerazyme®

Code: 16594
 INCI Name: Hydrolyzed Keratin & Trametes Versicolor Extract
 CAS #: 69430-36-0 & 999999-99-4
 EINECS #: 274-001-1 & 310-127-6

| Name of Study | Type of Study | Results |
|---|-------------------|--|
| Dermal & Ocular Irritation Tests | <i>In-vitro</i> | Both the dermal and ocular assays reveal that AC Kerazyme® is non-irritating and should not cause any of the aforementioned conditions. |
| AMES Test | <i>In-vitro</i> | The results of the Bacterial Reverse Mutation Assay indicate that under the conditions of this assay AC Kerazyme® was considered to be Non-Mutagenic to <i>Salmonella typhimurium</i> tester strains TA98, TA100, TA1537, TA1535 and <i>Escherichia coli</i> tester strain WP2uvrA. |
| OECD TG 442D In-Vitro Skin Sensitization Report | <i>In-vitro</i> | The results using the ARE-Nrf2 Luciferase Test Method in accordance with UN GHS indicate that AC Kerazyme® was not predicated to be a skin sensitizer. |
| OECD TG 442C Direct Peptide Reactivity Assay | <i>In-chemico</i> | Based on HPLC-UV analysis AC Kerazyme® was determined as a non-sensitizer and will not cause allergic contact dermatitis. |
| OECD 301B Ready Biodegradability Assay | <i>In-chemico</i> | The results of the Modified Sturm Test ensure AC Kerazyme® met method requirements for the Readily Biodegradable classification. |
| OECD 201 Freshwater Alga Growth Inhibition Test | <i>In-vitro</i> | The conditions of OECD guideline 201 for the validity of the test were adhered to, AC Kerazyme® is not classified and therefore not harmful to aquatic organisms. |