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## Safety & Toxicology Data

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## ABS Acai Sterols EFA

 Code:
 10414

 INCI Name:
 Euterpe Oleracea Sterols & Linoleic Acid & Oleic Acid & Linolenic Acid

 CAS #:
 68990-51-2 & 60-33-3 & 112-80-1 & 463-40-1

 EINECS #:
 273-605-2 & 200-470-9 & 204-007-1 & 207-334-8

Name of Study	Type of Study	Results
Dermal & Ocular Irritation Tests	In-vitro	Both the dermal and ocular assays reveal that <b>ABS Acai</b> <b>Sterols EFA</b> is non-irritating and should not cause any of the aforementioned conditions.
AMES Test	In-vitro	The results of the Bacterial Reverse Mutation Assay indicate that under the conditions of this assay, <b>ABS Acai</b> <b>Sterols EFA</b> 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	In-vitro	The results using the ARE-Nrf2 Luciferase Test Method in accordance with UN GHS indicate that <b>ABS Acai Sterols</b> <b>EFA</b> was not predicated to be a skin sensitizer.
OECD TG 442C Direct Peptide Reactivity Assay	In-chemico	Based on HPLC-UV analysis <b>ABS Acai Sterols EFA</b> was determined as a non-sensitizer and will not cause allergic contact dermatitis.
OECD 301B Ready Biodegradability Assay	In-chemico	The results of the Modified Sturm Test ensure <b>ABS Acai</b> <b>Sterols EFA</b> met method requirements for the Readily Biodegradable classification.
OECD 201 Freshwater Alga Growth Inhibition Test	In-vitro	The conditions of OECD guideline 201 for the validity of the test were adhered to, <b>ABS Acai Sterols EFA</b> is not classified and therefore not harmful to aquatic organisms.
Phototoxicity Assay Analysis	In-vitro	<b>ABS Acai Sterols EFA</b> is not a photoirritant when used at the suggested use levels.

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