Detoxophane
Activating the skin’s detoxification system
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**Anti-Aging with Cress Sprouts**

Detoxophane is a purified extract of Swiss garden cress sprouts. Sprouts have the highest concentration of phytonutrients, the compounds in plants known for their health promoting properties.

Detoxophane contains sulforaphane, a well known activator of phase II detoxification enzymes. Detoxophane enhances the resistance of skin cells against environmental pollutants and intrinsic reactive molecules.

Thus, Detoxophane cleans off and protects our skin cells against dangerous molecules. It is an effective anti-aging ingredient for all skin care products.

**Claim Ideas for Detoxophane**

- Protects skin against pollutants
- Prevents visible signs of skin aging
- Helps to prevent DNA damage
- Protects against environmental stress factors
- Detoxophane is a second-generation antioxidant

**Applications**

- Protective day cream formulations
- Detox city creams
- Regenerative night creams
- Sun care formulations
- Wellness and SPA products

**Formulating with Detoxophane**

- Recommended use level: 0.5–3%
- Incorporation: For cold processes, dissolve Detoxophane into the aqueous phase. In cold/hot processes, add during the cooling phase below 40°C.
- Thermostability: temperatures of up to 60°C for a short time do not affect the stability of Detoxophane.

**INCI (EU/PCPC) Declaration**

Detoxophane (standard version): Lepidium Sativum Sprout Extract (and) Glycerin (and) Lecithin (and) Phenoxyethanol (and) Aqua/Water

Detoxophane nc (preservative-free version):
Lepidium Sativum Sprout Extract (and) Lecithin (and) Glycerin (and) Aqua/Water

**Cress Sprouts, the Ideal Source for Sulforaphane**

Molecular formula = C₆H₁₁NOS₂

Structure of sulforaphane. Members of the Cruciferae family including broccoli, cauliflower, kale, radish, horse radish and cress were found to contain an important health promoting substance, the phytonutrient sulforaphane. Sprouts that are a few days old have the highest concentration of this compound.