



State of the art ingredients · fast friendly service

**NFPA Rating:** Health: 0 Flammability: 1 Instability: 0

**HMIS Rating:** Health: 0 Flammability: 1 Physical Hazard: 0 Personal Protection: D

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Revolution E  
**Chemical Family:** Aqueous nanocolloid  
**Intended Use:** FOR USE AS COSMETIC INGREDIENT ONLY  
**INCI Name:** Tocopheryl Acetate  
**Emergency 24-Hour Health/Environmental Phone: 1-800-873-1138**

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**Signal Word:** NOTICE!  
**Physical Form:** Liquid  
**Color:** Slightly yellow  
**Odor:** Odorless  
**Health:** This product has no known adverse effect on human health.  
**Physical Hazards:** None Expected .

**OSHA Hazardous Substance:** This material is classified as not hazardous under OSHA regulations.  
**Primary Route(s) of Entry:** Ingestion, Skin, Inhalation, Eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### NON-HAZARDOUS COMPONENTS

This material is classified as not hazardous under OSHA regulations.



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#### 4. FIRST AID MEASURES

**Eyes:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin:** Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

**Inhalation:** Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

**Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

#### 5. FIRE FIGHTING MEASURES

**Fire Fighting Measures:** Standard procedure for chemical fires.

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical or foam.

**Fire Fighting Equipment:** Wear self-contained breathing apparatus and protective suit.

**Hazardous Combustion** Burning may produce toxic combustion products.

**Products:**

#### 6. ACCIDENTAL RELEASE MEASURES

**Cleanup Instructions:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment. Should not be released into the environment.

#### 7. HANDLING AND STORAGE

**Handling:** As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.

**Storage:** Keep containers tightly closed in a cool, well-ventilated place.

**Explosion Hazards:** No physical hazards determined at this time.

Handle this liquid with care and follow standard industrial practices.

**For Industrial Use Only**

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines:

There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

### Personal Protective Equipment

**Eye/Face Protection:** Wear splash proof chemical goggles.

**Skin Protection:** Wear chemical resistant gloves and protective clothing.

**Respiratory Protection:** Use NIOSH approved respirator as needed to mitigate exposure.

**Engineering Controls:** Work in well ventilated areas. Do not breathe vapors or mist.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Liquid

**Color:** Slightly yellow

**Odor:** Odorless.

**Boiling Point:** Not determined

**Freezing/Melting Point:** Not determined

**Solubility in water:** Miscible

**Vapor Density:** Not determined

**Vapor Pressure:** Not determined

**Specific Gravity:** 0.99 - 1.01 (Water = 1)

**Viscosity:** 1 -2 mPa @ 20 °C (68°F)

**pH:** 5 - 7 (as supplied)

**Percent Volatile:** Not determined

**VOC:** Not determined

**Partition Coefficient (Octanol/Water):** Not determined

**Autoignition Temperature:** Not determined

**Decomposition Temperature:** Not determined

**Flammability Limits in Air:**

Upper Not determined Lower Not determined

**Flash point:** > 100 °C (212°F) **Test Method (for Flash Point):** Closed cup

## 10. STABILITY AND REACTIVITY

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**Stability:** Stable.

**Conditions to Avoid:** None known

**Incompatibility:** Strong oxidizing agents, strong acids, strong bases.

**Hazardous Decomposition** No decomposition expected under normal storage conditions.

**Products :**

**Possibility of Hazardous** *None expected.*

**Reactions :**

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity:** Not determined.

**Acute Dermal Toxicity:** *Not determined*

**Acute Inhalation Toxicity:** *Not determined.*

**Eye Irritation:** *Not determined.*

**Skin Irritation:** *(Rabbits) Not an irritant.*

**Skin Sensitization:** Not evaluated

**Carcinogenicity (IARC; NTP;** None of the components in this product at concentrations greater than 0.1% are

**OSHA; ACGIH):** listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

**Carcinogenicity Studies:** Not evaluated.

**Mutagenicity:** Not evaluated.

**Reproductive Toxicity:** Not evaluated.

**Teratogenicity:** Not evaluated.

**Neurotoxicity:** Not determined

**Subacute Toxicity:** Not determined

**Subchronic Toxicity:** Not determined

**Chronic toxicity:** *Not determined* Absorption /

Distribution / *Not determined* Excretion /

Metabolism:

**Additional Information:** Based on the data of the components no hazard classification is required.

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## 12. ECOLOGICAL INFORMATION

**Toxicity to Fish:** Not determined **Toxicity to**

**Invertebrates:** Not determined **Toxicity to**

**Algae:** Not determined **Toxicity to Sewage**

**Bacteria:** Not determined **Activated Sludge**

**Respiration** Not determined

**Inhibition Test:**

**Biochemical Oxygen Demand** Not determined (**BOD**): **Chemical Oxygen Demand (COD)**: Not determined

**Total Oxygen Demand (TOD):** Not determined

**Biodegradability:** Not evaluated

**Bioaccumulation:** Not determined

**Additional Environmental Data:**

By analogy to similar products, the 96 hr LC50 (fish) is expected to be greater than 100 ppm. (Based on components)

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Dispose in accordance with local, state, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**U.S. Department of Transportation (DOT):**

Not regulated for this mode of transport.

**International Maritime Dangerous Goods (IMDG):**

Not regulated for this mode of transport.



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**International Air Transportation Authority (IATA):**

Not regulated for this mode of transport.

**15. REGULATORY INFORMATION**

**Federal Regulations**

**OSHA Hazardous Substance:** *This material is classified as not hazardous under OSHA regulations*

**Clean Air Act - Hazardous Air Pollutants (HAP):** *This product does not contain any Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).*

**Clean Air Act - Volatile Organic Compounds (VOC):** *This product does not contain any Significant Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.489).*

**Clean Air Act - Ozone Depleting Substances (ODS):** *This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A App. A+B).*

**Clean Water Act - Priority Pollutants (PP):** *This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).*

**Resource Conservation and Recovery Act (RCRA):** *Not a hazardous waste under RCRA (40 CFR 261.21).*

**SARA Section 302 Extremely Hazardous Substances (EHS):** *This product does not contain any components regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.*

**SARA Section 304 CERCLA Hazardous Substances:** *This product does not contain any components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification ("CERCLA List").*

**SARA Section 311/312 Hazard Communication Standard (HCS):** This product is not regulated under Section 311/312 HCS (40 CFR 370).

**SARA Section 313 Toxic Chemical List (TCL):** *This product does not contain any component(s) listed on the Section 313 Toxic Chemical List.*

**TSCA Section 8(b) Inventory Status:** All component(s) comprising this product are either exempt or listed on the TSCA inventory.

**TSCA Section 5(e) Consent Orders:** This product is not subject to a Section 5(e) Consent Order.

**TSCA Significant New Use Rule (SNUR):** This product is not subject to a Significant New Use Rule (SNUR).

**TSCA Section 5(f):** This product is not subject to a Section 5(f)/6(a) rule.

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**TSCA Section 12(b) Export Notification:** This product does not contain any component(s) that are subject to a Section 12(b) Export Notification

**Cosmetic Status:** For use in cosmetics.

### State Regulations

**California Proposition 65:** This product does not contain any components currently on the California list of Known Carcinogens and Reproductive Toxins.

**Pennsylvania Right-To-Know:** This product does not contain any components that are subject to the Pennsylvania Right-To-Know disclosure requirement.

### International Regulations

**Chemical Weapons Convention (CWC):** This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

**Domestic Substance List (DSL) Status:** All components either exempt or listed on the DSL.

## 16. OTHER INFORMATION

**Disclaimer:** The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use.

### Disclaimer

The information contained in this Certificate of Analysis and Material Safety Data Sheet are obtained from current and reliable sources. As the ordinary or otherwise use(s) of this product is outside the control of Ingredients To Die For, no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained.

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