

Section 1: Identification

Product Name : Curamina™
 Company : Curie Co
 6 Davis Dr. Ste 852
 Durham NC 27709
 (888)819-7073
 Emergency : (888)819-7073
 Recommended Use : For skin care and hair care applications.
 Not intended for human consumption.

Section 2: Hazard(s) Identification

Hazard Classification : Respiratory Sensitizer: Category 1.
 Signal Word : Danger
 Pictograms : Health Hazard
 Hazard Statements : May cause allergy or asthma-like symptoms or breathing difficulties if inhaled.
 Description of Other Hazards : None.

Section 3: Composition/Information on Ingredients

Component	CAS-No	Weight %
Water	7732-18-5	65-85%
Glycerin	56-81-5	15-35%
Transglutaminase	80146-85-6	0.5-1.5%

Section 4: First-Aid Measures

Eye Contact : Flush eyes with water as a precaution.
 Skin Contact : Wash off with soap and plenty of water. If skin irritation occurs seek medical advice.
 Inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or doctor/physician.

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Section 4: First-Aid Measures

Ingestion	: Rinse mouth with water. Never give anything by mouth to an unconscious person.
Most Important Symptoms and Effects, Both Acute and Delayed	: No data available
Recommendations for Immediate Medical Care or Treatment	: No data available

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	: Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.
Specific Hazards Arising from the Chemical	: Nature of decomposition products not known.
Advice for Firefighters	: No special protective actions for firefighters are needed consequent to this material.
Further Information	: No data available

Section 6: Accidental Release Measures

Personal Precautions	: Avoid breathing vapors, mist, or gas. For personal protection see section 8.
Environmental Precautions	: No data available to indicate that any environmental precautions are indicated.
Methods and Materials for Containment and Clean Up	: Keep in suitable, closed containers for disposal.
Reference to Other Sections	: For disposal see section 13.

Section 7: Handling and Storage

Handling	: Do not breathe fumes/gas/mist/vapors/spray. Use personal protective equipment (respirators) as required.
Storage	: Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature 4 °C.
Specific End Use(s)	: Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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Section 8: Exposure Controls/Personal Protection

Exposure Guidelines	: For sensitization, there is no exposure limit.
Engineering Controls	: General industrial hygiene practice.
Personal Protective Equipment	
• Eye/Face Protection	: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
• Skin and Body Protection	: Handle with gloves. Inspect gloves for tears prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated disposable gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
• Respiratory Protection	: If a respirator is indicated, use respirators as part of a full respiratory protection program.
• Hygiene Measures	: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9: Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Amber to yellow liquid
Odor	: No data available.
Odor Threshold	: No data available.
pH	: 7.4
Melting Point/Freezing Point	: No data available.
Initial Boiling Point/Range	: No data available.
Flash Point	: Not applicable.
Evaporation Rate	: No data available.
Flammability (solid, gas)	: Not applicable.
Upper/Lower Flammability or	: Not applicable.
Exposure Limits	
Vapor Pressure	: No data available.
Vapor Density	: No data available.

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Section 9: Physical and Chemical Properties

Relative Density	: No data available.
Solubility	: No data available.
Partition Coefficient; n-octanol/water	: No data available.
Auto-Ignition Temperature	: No data available.
Decomposition Temperature	: No data available.
Viscosity	: No data available.

Section 10: Stability and Reactivity

Reactivity	: No data available.
Chemical Stability	: Stable under recommended storage conditions.
Conditions to Avoid	: No data available.
Incompatible Materials	: Strong oxidizing agents.
Hazardous Decomposition Materials	: Hazardous decomposition products formed under fire conditions. – Nature of decomposition products not known. Other decomposition products - No data available. In the event of fire: see section 5

Section 11: Toxicological Information

Acute Toxicity	: No data available.
Potential Routes of Exposure/Potential Health Effects:	
• Skin	: Not a skin irritant.
• Eye	: Not an eye irritant.
• Inhalation	: Potentially a respiratory sensitizer. Potentially a sensitizer if inhaled. Possible allergic respiratory reaction: signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. ¹
• Ingestion	: No data available. Not intended for human consumption.
• Carcinogenic Effects	: ○ IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

¹ See Other Information for Applicable References

Section 11: Toxicological Information

	- o ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. - o NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. - o OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
• Mutagenic Effects	: Ames test result: Negative. Micronucleus test result: Negative.
• Reproductive Toxicity	: No data available.
• Sensitization	: hRIPT test result: Non-sensitizing - skin Possible respiratory sensitizer.
• Target Organs	: No data available.
Additional Information	: RTECS: MA2370000

Section 12: Ecological Information

Ecotoxicity	: No data available.
Mobility in Soil	: No data available.
Biodegradation	: Readily biodegradable (OECD 301A).
Bioaccumulation	: No data available.
Results of PBT and vPvB Assessment	: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other Adverse Effects	: No data available.

Section 13: Disposal Consideration

Waste Disposal Methods	: Dispose of in accordance with local regulations and environmental legislation. Recycle empty containers in accordance with local regulations and environmental legislation.
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Section 14: Transportation Information

DOT	: Not dangerous goods.
IMDG	: Not dangerous goods.

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IATA : Not dangerous goods.

Section 15: Regulatory Information

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : No SARA Hazards

California Prop. 65 Components : This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

De Palma et al. (2014) Ann Allergy Asthma Immunol. 112(6):553-4

Sander et al. (2020) Allergol Select. 4:105-109

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