

CreamMaker® QUAT87

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 05-May-2025
Supersedes: 06-Mar-2024

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: CreamMaker® QUAT87
Synonyms: No data available
INCI Name: Behentrimonium Methosulfate (and)
Quaternium-87 (and) Cetearyl Alcohol
CAS Number: 81646-13-1, 92201-88-2, 67762-27-0
Formula: No data available
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Skin irritation: Category 2
Serious eye damage: Category 1
Specific target organ toxicity repeated exposure: Category 2
Short-term (acute) aquatic hazard: Category 1
Long-term (chronic) aquatic hazard: Category 1
GHS Signal Word: DANGER!

GHS Hazard Pictograms:



GHS Hazard Statements: H315: Causes skin irritation.
H318: Causes serious eye damage.
H373: May cause damage to organs through prolonged or repeated exposure.
H410: Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements: (Prevention) P260: Do not breathe dust.
P264: Wash skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear protective gloves/ eye protection/ face protection.
(Response) P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P314: Get medical advice/ attention if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362: Take off contaminated clothing and wash before reuse.
P391: Collect spillage.
(Disposal) P501: Dispose of contents/ container to an approved waste disposal plant.
The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 24.5%.

Additional Labeling:

GHS Potential Health Hazards: Eyes: Causes serious eye damage.
Inhalation: May cause irritation of respiratory tract and mucous membranes.
Skin: Causes skin irritation.
Ingestion: May cause nausea, vomiting, and diarrhea. May cause irritation of the mucous membranes.

NFPA Ratings (704):

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| Health | 3 | Serious |
| Flammability | 1 | Slight |
| Reactivity | 0 | Minimal |
| Specific Hazard | N/A | |

HMIS II:

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| Health | 3 | Serious |
| Flammability | 1 | Slight |

Reactivity 0 Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS No.</u> | <u>Weight %</u> | <u>Molecular Weight</u> |
|-----------------------------|----------------|-----------------|-------------------------|
| Behentrimonium Methosulfate | 81646-13-1 | ≥30 - <50% | Not Available |
| Quaternium-87 | 92201-88-2 | ≥20 - ≤30% | Not Available |
| Cetearyl Alcohol | 67762-27-0 | ≤50 - >20% | Not Available |

4 FIRST AID MEASURES

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| Eyes: | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist. |
| Inhalation: | If inhaled, move person into fresh air. If symptoms persist, call a physician. |
| Skin: | In case of skin contact. Wash off with soap and plenty of water. If symptoms persist, call a physician. |
| Ingestion: | Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. |

5 FIRE-FIGHTING MEASURES

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| Suitable (and unsuitable) extinguishing media: | May be combustible at high temperatures. Use appropriate media (water spray, alcohol-resistant foam, dry chemical carbon dioxide) for surrounding environment and adjacent fire. Do not use a high-volume water jet as it may spread the fire. |
| Special protective equipment & precautions for firefighters: | Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Do not use a solid water stream as it may scatter and spread fire. |
| Flash Points: | >365°F / >185°C |
| Specific hazards arising from the chemical: | Material will float on top of water, treat as a grease fire. See also Stability and reactivity section. |

6 ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment & emergency procedures: | Ensure adequate ventilation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment. |
| Environmental precautions: | Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak. |
| Methods and material for containment and cleaning up: | Sweep up and shovel into suitable containers for disposal. Dispose of absorbed material in accordance with the regulations. |

7 HANDLING & STORAGE

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| Precautions for safe handling: | Normal measures for preventive fire protection. Avoid contact with skin and eyes. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment. |
| Conditions for safe storage, incl. any incompatibilities: | Store in original container. Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials (see section 10 for incompatibilities). |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| <u>Component</u> | <u>Exposure Limits</u> | <u>Basis</u> | <u>Entity</u> |
|--------------------|------------------------|--------------|---------------|
| CreamMaker® QUAT87 | None | | |

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

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| Eyes: | Wear safety glasses with side shields. |
| Inhalation: | No personal respiratory protective equipment normally required. In the case of dust or aerosol formation use respirator with an approved filter. |
| Body: | Wear impervious gloves and impervious protective clothing. |
| Other: | Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. |

9 PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Pastilles | Vapor Pressure: | No data available |
| Odor: | Characteristic | Relative Vapor Density: | Not applicable |
| Odor Threshold: | No data available | Evaporation Rate: | No data available |
| Color: | Off-white | Flammability: | No data available |
| Molecular Weight: | No data available | Upper/lower Explosive Limit: | Not applicable |
| pH (2% in Water): | 4.5 - 7.2 | Flash Point: | > 365° F (> 185° C) |
| Boiling Point: | No data available | Specific Gravity: | No data available |
| Melting Point: | 195.6 - 198.7° F (90.9 - 92.6° C) | Water Solubility: | Insoluble |
| Density: | 0.5401 - 0.5692 g/cm ³ | Other Solubility: | Not determined |
| Partition Coefficient: n-octanol/water: | No data available | Auto-Ignition Temperature: | Not applicable |
| Kinematic Viscosity: | Not applicable | Decomposition Temperature: | No data available |
| Oxidizing Properties: | No data available | Explosive Properties: | No data available |

10 STABILITY AND REACTIVITY

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| Reactivity: | No data available. |
| Chemical Stability: | No data available. |
| Hazardous Polymerization: | No data available. |
| Conditions to Avoid: | None known. |
| Incompatible Materials: | Strong oxidizing agents. |
| Hazardous Decomposition Products: | Carbon oxides (COx), nitrogen oxides (NOx). |
| Possible Hazardous Reactions: | Stable under recommended storage conditions. Hazardous polymerization does not occur. |

11 TOXICOLOGICAL INFORMATION

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| Acute Toxicity: | No data available. |
| Skin: | Irritating to skin. (Rabbit male and female) Component: Docosyltrimethylammonium methyl sulphate; LD50 Dermal: 4,350 mg/kg; Method: OPPTS 870.1200; GLP: yes; Remarks: Information given is based on data obtained from similar substances. Acute toxicity estimate: > 5,000 mg/kg; Method: Calculation method. (Rabbit) Component: Quaternium 87; Exposure time: 4 hours; Assessment: Causes skin irritation.; Method: OECD Test Guideline 404; Result: Skin irritation; GLP: yes. |
| Eyes: | (Rabbit) Component: Docosyltrimethylammonium methyl sulphate; Result: Irreversible effects on the eye; Assessment: Corrosive. (In Virto) Component: Quaternium 87; Result: Eye irritation; Exposure time: 6 hours; Method: OECD Test Guideline 492; yes. |
| Inhalation: | No data available. |
| Ingestion: | (Rat, female) Component: Docosyltrimethylammonium methyl sulphate; LD50 Oral: 3,190 mg/kg; Method: OECD Test Guideline 401; GLP: yes; Remarks: Information given is based on data obtained from similar substances. Acute toxicity estimate: > 5,000 mg/kg; Method: Calculation method. (Rat, female) Component: Quaternium 87; LD50: > 2,000 mg/kg; Method: OECD Test Guideline 423; GLP: yes; Remarks: No mortality observed at this dose. |
| Carcinogenicity: | No data available. |
| Teratogenicity: | No data available. |
| Germ Cell Mutagenicity: | Genotoxicity in Vitro; Component: Quaternium 87; Test Type: Ames test; Metabolic activation: with and without metabolic activation; Result: In vitro tests did not show mutagenic effects. Test Type: Reverse mutation assay; Test system: Salmonella typhimurium and Escherichia coli |

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| Embryotoxicity: | Metabolic activation: with and without metabolic activation; Method: OECD Test Guideline 471; Result: Not mutagenic in Ames Test; GLP: yes. |
| Specific Target Organ Toxicity: | No data available. |
| Reproductive Toxicity: | Component: Docosyltrimethylammonium methyl sulphate: NOAEL; 10 mg/kg/day; Information given is based on data obtained from similar substances. May cause damage to organs through prolonged or repeated exposure. |
| Skin Sensitization: | No data available. |
| Further Remarks: | (Humans) Result: Patch test on human volunteers did not demonstrate sensitization properties. Information given is based on data on the ingredients and the toxicology of similar products. |

12 ECOLOGICAL INFORMATION

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| Ecotoxicity: | Acute aquatic toxicity: Very toxic to aquatic life. Chronic aquatic toxicity: Toxic to aquatic life with long lasting effects. |
| Aquatic Vertebrate: | No data available. |
| Aquatic Invertebrate: | (Daphnia magna (Water flea)) Component: Quaternium 87; EC50: 0.10 mg/l; End point: Immobilization; Exposure time: 48 hours; Test Type: Static test; Analytical monitoring: yes; Method: OECD Test Guideline 202; GLP: yes. |
| Aquatic Plants: | (Pseudokirchneriella subcapitata (green algae)) Component: Quaternium 87; EC50: 0.13 mg/l; Exposure time: 72 hours; Analytical monitoring: yes; Method: OECD Test Guideline 201; GLP: yes; NOEC: 0.054 mg/l. |
| Persistence and Degradability: | (Activated Sludge) Component: Docosyltrimethylammonium Methyl Sulphate; Concentration: 0.2 mg/l; Biodegradation: 80%; Exposure time: 28 days; Remarks: Readily biodegradable. Information given is based on data obtained from similar substances. (Activated Sludge) Component: Quaternium 87; ECD Test Guideline 301F; Concentration: 100 mg/l; Chemical oxygen demand; Result: Not readily biodegradable; Biodegradation: 4 %; Exposure time: 60 days; Method: OECD Test Guideline 301F; GLP: yes; Remarks: Not readily biodegradable. |
| Bioaccumulative Potential: | Component: Docosyltrimethylammonium methyl sulphate; Partition coefficient: n octanol/water; log Pow: 3.01 (68°F / 20°C); Method: OECD Test Guideline 107. Component: Quaternium 87; Partition coefficient: n octanol/water; log Pow: 4 (68°F / 20°C) Method: OECD Test Guideline 107. |
| Mobility in Soil: | No data available. |
| PBT and vPvB Assessment: | No data available. |
| M-Factor: | 10 for acute aquatic toxicity, and chronic aquatic toxicity. |
| Other Adverse Effects: | No data available. |

13 DISPOSAL CONSIDERATIONS

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| Waste Residues: | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product. |
| Product Containers: | Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal. Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container. |

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

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| DOT (Dept. of Transportation, USA): | DOT ground - Not regulated. 49CFR171.4 - The exception for Marine Pollutants is being applied for shipping non-bulk packaging only (a receptacle > 400 kg (882 lbs)) in motor vehicles. |
| UNRTDG (United Nations Transport of Dangerous Goods): | UN Number: UN 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Quaternium 87) Class: 9 Packing Group: III |

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| TDG (Transportation of Dangerous Goods, Canada): | Labels: 9 No data available. |
| IMDG (International Maritime Dangerous Goods): | UN Number: UN 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Quaternium 87) Class: 9 Packing Group: III Labels: 9 EmS Code: F-A, S-F Marine Pollutant: Yes |
| IATA (International Air Transport Association): | UN Number: UN 3077 Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Quaternium 87) Class: 9 Packing Group: III Labels: Miscellaneous Packing Instruction (Passenger and Cargo Aircraft) 956 Environmentally Hazardous: Yes |
| ICAO (International Civil Aviation Organization): | No data available. |
| Transport in Bulk According to Anned II of MARPOL 73/78 & the IBC Code: | Not applicable for product as supplied. |
| 49 CFR: | Not regulated as Dangerous Good. |

15 REGULATORY INFORMATION

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| TSCA Inventory Status: | This product is not listed on the public TSCA Inventory or the TSCA status of the product has not been evaluated. For FDA uses only. |
| SARA 302: | This material does not contain any components with a section 302 Extremely Hazardous Substances Threshold Planning Quantity. |
| SARA 311/312 Hazards: | Skin corrosion or irritation. Serious eye damage or eye irritation. |
| SARA 313: | 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. |
| PA Right to Know: | Docosyltrimethylammonium methyl sulphate (CAS: 81646-13-1), Alcohols, C14-18 (CAS: 67762-30-5), Quaternium 87 (CAS: 92201-88-2). |
| NJ Right to Know: | Docosyltrimethylammonium methyl sulphate (CAS: 81646-13-1), Alcohols, C14-18 (CAS: 67762-30-5), Quaternium 87 (92201-88-2). |
| California Prop. 65: | This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. |
| REACH: | Registered for import by authorized entities only. |
| China (IECSC): | On the inventory, or in compliance with the inventory. |
| Australia (AICS): | On the inventory, or in compliance with the inventory. |
| New Zealand (NZIoC): | On the inventory, or in compliance with the inventory. |

16 OTHER INFORMATION

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| Revision Date: | 05-May-2025 |
| Compliance: | This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 |
| Disclaimer: | This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use. |