



**SAFTY DATA SHEET**  
**According to Regulation (EC) No 1907/2006 (REACH)**

Revision Date: September 20, 2018

Version No.: 3

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**SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

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- 1.1 Product Identifier**  
Product Name **JEEQUAT MCA-1**
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**  
Identified uses **Cosmetic raw material**
- 1.3 Details of the Supplier of the Safety Data Sheet**  
Company **JEEN International Corporation**  
**24 Madison Road**  
**Fairfield, New Jersey 07004**  
**Tel: +1-973-439-1401**  
**Fax: +1-973-439-1402**  
**email: [info@jeen.com](mailto:info@jeen.com)**  
**Website: [www.jeen.com](http://www.jeen.com)**
- 1.4 Emergency telephone number** **+1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)**

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**SECTION 2 – HAZARDS INGREDIENTS**

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- 2.1 Classification of the Substance or Mixture** according to Regulation (EC) 1272/2008  
**None**
- 2.2 Label Elements** according to Regulation (EC) EU 1272/2008  
Hazard pictogram **None**  
Signal words **None**  
Hazard statements **None**  
Precautionary statements **None**
- 2.3 Other Hazards** **None known**

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**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

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- 3.1 Substances** **-**
- 3.2 Mixture**  
Chemical characterization **Cosmetic ingredients**  
INCI **Glycerin (and) Didecyldimonium Chloride (and) Citric Acid (and) Lactic Acid (and) Ascorbic Acid**  
CAS **56-81-5, 1812-53-9, 77-92-9, 50-21-5, 50-81-7**  
EC **200-289-5, 1812-53-9, 77-92-9, 50-21-5, 50-81-7**  
Concentration **74-80%, 7-13%, 1-5%, 1-5%, 1-5%**

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**SECTION 4 – FIRST AID MEASURES**

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- 4.1 Description of First Aid Measures**



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Inhalation:	The affected person should be removed from the contaminated space to an open, ventilated area. If an allergy develops, consult with your doctor.
Eye Contact:	Immediately rinse eyes with plenty of water for at least 15 minutes keeping eyelids open. If irritation develops, consult with your doctor.
Skin Contact:	Remove contaminated clothing and wash skin are with soap and water.
Ingestion:	Wash out mouth with water. Drink large quantities of water. Consult your doctor if any symptoms develop.
Medical Attention:	Product does not have specific antidote. Treat symptomatically.

**4.2 Most important Symptoms and Effects** No information available

**4.3 Indication of any immediate Medical Attention and special Treatment needed**  
 No information available.

**SECTION 5 – FIRE FIGHTING MEASURES**

<b>5.1 Extinguishing Media</b>	Water Spray, quenching foam, quenching powder, carbon dioxide
<b>5.2 Protective equipment for fire-fighting</b>	Use/wear full protective gear.
<b>5.3 Other Hazards</b>	No particular hazards known.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>6.1 Methods and Material for Containment and Cleaning Up</b>	Collect the spilled liquids plus contaminated surfaces and dispose of at an appropriate waste handling site or center. Wash residue with plenty of water.
<b>6.2 Reference to other Sections</b>	Section 8: Exposure control /personal protection. Section 13: Waste treatment.

**SECTION 7 – HANDLING AND STORAGE**

<b>7.1 Precautions for Safe Handling</b>	Use the product only in ventilated areas in accordance with good industrial hygiene and safety practices. Breathing must be protected when large amounts of product are decanted without local exhaust ventilation. Keep out of the reach of children. Use appropriate clothing, safety glasses, boots, and gloves. After handling of drums, wash hands with soap and water.
<b>7.2 Condition for Safe Storage, including any Incompatibilities</b>	Store and keep in the original container tightly closed in a



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cool, dry and well-ventilated area. Do not store in direct sunlight. Optimal temperature of storage is 15 and 30°C. Product has a shelf life of 18 months when stored under optimal conditions in closed containers.

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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<b>8.1 Engineering Controls</b>	Avoid contact and use in a well-ventilated area. See item 7. Threshold in air values not available, however, the ingredients in this product non-volatile. These ingredients each have a safe toxicological profile.
<b>8.2 Personal Protective Equipment</b>	
Respiratory:	Is not necessary during normal operations, but a disposable face mask can be used.
Eye:	Protective safety glasses
Hands:	Protective gloves
Clothing:	Protective cotton overalls.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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<b>9.1 Information on basic Physical and Chemical Properties</b>	
Appearance:	Light Yellow, Viscous Liquid
Odor:	Slight, citric
Viscosity:	50 – 1000 CPS (Spindle #1, 1.5 rpm)
pH (10% solution):	1.5 – 3.0
Solubility (water):	100%
Flash Point:	160°C (Closed Cup)

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**SECTION 10 – STABILITY AND REACTIVITY**

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<b>10.1 Chemical stability</b>	Stable under normal conditions of use. See Item 7.
<b>10.2 Conditions to Avoid</b>	Direct light; hot, humid areas.
<b>10.3 Hazardous Reactions</b>	None
<b>10.4 Incompatible Materials</b>	Oxygen, metals, alkali products. See label recommendations.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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<b>11.1 Information on Toxicological Effects</b>	
Potential effects:	May cause mild irritation to eyes and skin.
Acute Toxicity:	Unknown, but oral toxicity likely to be very low based on long use history of product ingredients.
Chronic toxicity:	Unknown, but likely very low based on long use history of product ingredients and application at recommended dosage levels.
Mutagenicity:	Not mutagenic
Cytotoxicity:	No cytotoxicity on bacterial or human cell lines. LC50 in HepGs



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Carcinogenicity:  
Reproduction Toxicity:

human liver cells is 0.0026%. LC50 in HepGs human colon cells is 0.001%.  
Not carcinogenic.  
Unknown, but not likely at recommended dosage levels and based on long use history of product ingredients.

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**SECTION 12 - ECOLOGICAL INFORMATION**

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**12.1 Ecotoxicity**

Fish toxicity:

EC50 Brachydanio reiro: 10 – 100 mg/L. (OECD 203).

Earth worm toxicity:

NOEC Brachydanio reiro: 10 mg/L

Water lice toxicity:

50EC Eisenia fetida: > 100 mg/Kg. soil (OECD 207)

Green algae toxicity:

NOEC Eisenia fetida: > 100 mg/Kg. Soil

Nitrification inhibition test:

EC50 Daphnia magna: 50000 ng/L (OECD 202)

Respiration inhibition test:

NOEC Daphnia magna: 10000 ng/L

Honey bees toxicity:

EC50 Raphidocelis subcapitata: 7500 ng/L (OECD 203)

NOEC Raphidocelis subcapitata: 750 ng/L

EC40 961 mg/L (NOEC 320 mg/L)

EC50 3300 mg/L (NOEC: 1000 mg/L)

Oral (24 h): 4551.5 µg/bee

Oral (48 h): 1930.8 µg/bee

Contact (24 h): 582.9 µg/bee

Contact (48 h): 179.9 µg/bee

**12.2 Persistence and Biodegradability**

Jeequat MCA-1 20% bioeliminates by 100% in 28 days (OCED 302 B Zah-Wellens/EMPA Test (1992)

Jeequat MCA-1 100% bioeliminates by 92.8% in 28 days (ASTM)

**12.3 Air Pollution**

Non-volatile products. See Item 7.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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**13.1 Package Decontamination**

Rinse packaging with soap and water.

**13.2 Waste Treatment Methods**

Collect spilled or liquids which have leaked. Observe local/national regulations regarding waste disposal. Recycle the package if there is a designated collection point. If not, cut, bury or incinerate in an appropriate and qualified installation.

**13.3 Managing/Minimizing Leakage**

After collection of spilled material, clean with soap and water, then dry.

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**SECTION 14 – TRANSPORTATION INFORMATION**

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**14.1 Shipping Description**

Department of Transportation:

DOT Classification: Not Regulated

DOT Proper Shipping Name:

Other DOT Information:

IATA Class:

Not Regulated by IATA



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IMDG:

Non-Regulated Material (Non Hazardous)  
Not classified by transport regulations. This product is not considered a dangerous material, so it is classified as non-hazardous for transportation purposes. No special precautions are required.

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**SECTION 15 – REGULATORY INFORMATION**

The components in this product are listed in the International Dictionary for Cosmetic Ingredients and are acceptable in cosmetic formulations globally. Check with your Jeen International representative if verification for specific countries or regions is required.

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**SECTION 16 – OTHER INFORMATION**

This product, a preservative alternative, is an effective antimicrobial which disrupts microorganism cell walls resulting in respiration failure.

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