



## **Product Bulletin**

Product Name

Chemical Structure

## STEPANQUAT® ML

RCO = oleic

Chemical Description

CAS Registry No.

INCI Name

Applications

Quaternium-82

65059-61-2

## **Functional Properties**

• Conditioning Agent for hair and skin applications (no "build-up" problem)

STEPANQUAT ML is the quaternary ammonium salt prepared by reacting oleic acid with Quadrol

[N,N,N<sup>1</sup>,N<sup>1</sup> – tetrakis (2-hydroxypropyl) ethylene-diamine], followed by quaternization with dimethyl sulfate.

- · Emulsifying agent for oil-in-water and water-in-oil emulsions
- Static Control

## **End Product Uses**

- · Hair Conditioners (regular, deep and leave-on types)
- Hair Styling Aids
- Lotions and Creams (O/W, W/O emulsion)

Typical Properties

Environmental Effects STEPANQUAT ML is relatively harmless orally (LD $_{50}$  >25 g/kg body wt). STEPANQUAT ML, at 3% solution, causes no eye irritation and only minimum skin irritation.

Storage & Handling

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEPANQUAT ML. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

Standard Packaging: STEPANQUAT ML is available in bulk and drums.

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STEPANQUAT® is a registered trademark of Stepan Company.



It is recommended that STEPANQUAT ML be stored in sealed containers and kept at temperatures above 70°F (21°C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use.

Workplace Exposure Occupational Exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace safety practices should be used to control these exposures. See SDS for more information.

Clearances

The international inventories (country clearances) for STEPANQUAT ML can be found in Section 15 of the Safety Data Sheet (SDS). It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used. If you have any further questions regarding inventories, please contact North America Technical Service at <a href="techserv@stepan.com">techserv@stepan.com</a>.

Product Stewardship

Additional Safety Information This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

A Safety Data Sheet (SDS) is available upon request.



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Stepan

Corporate Headquarters Northbrook, Illinois 60062, U.S.A. Phone: 847-446-7500

Fax: 874-501-2100 Website: www.stepan.com For Technical Service Call:
Stepan North America +1-800-745-7837
Stepan Mexico +55-11-5089-2208
Stepan Quimica +55-11-5089-2200
Stepan Colombia +571-636-2808
Stepan Europe +33-476-505-160
Stepan Asia +656-879-9855
Stepan Philippines +656-879-9855

For Customer Service Call:
Stepan North America +1-800-457-7673
Stepan Mexico +52-555-533-1967
Stepan Quimica +55-11-5089-2200
Stepan Colombia +57-6-8993125
Stepan UK +44-161-338-5511
Stepan France +33-476-50-51-00
Stepan Philippines +63-2-842-7951

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