

Product  
Name

Chemical  
Structure

CAS  
Registry No.

INCI Name

Applications

Typical  
Properties

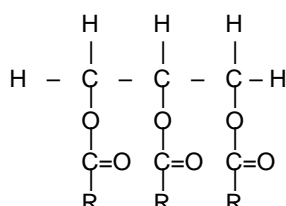
Biodegradability

Toxicity

Storage &  
Handling

Clearances

### NEOBEE<sup>®</sup> M-5 COSMETIC



R = C<sub>7</sub>H<sub>15</sub> and C<sub>9</sub>H<sub>19</sub> (55/45)

NEOBEE M-5 COSMETIC is a triglyceride of medium chain fatty acids.

73398-61-5

Caprylic/Capric Triglyceride

#### Functional Properties

- Primary and secondary emollient
- Solubilizing agent for mineral oils, silicones and fragrances
- Lubricant

#### End Product uses

- Hair Conditioners
- Creams/Lotions
- Antiperspirant/Deodorants
- Liquid and Cream Make-Ups
- Bath Oils
- Suntan and Sunless Creams and Lotions
- Lipstick/Glosses/Balms
- Pre- and After-Shave Products

Appearance at 25°C.....	Water-white to slightly yellow liquid	Flash Point (PMCC), °C (°F), .....	260 (500)
Saponification Value .....	334	Boiling Point, °C (°F), .....	>150 (>300)
Hydroxyl Value.....	1.2	Color (APHA) .....	30.32
Moisture, % .....	0.03	Color (LOVIBOND), Red .....	0.2
Iodine Value .....	0.06	Viscosity, cps at 25°C.....	23
Free Fatty Acid, %.....	0.05	Density, g/ml (lbs/U.S. gal).....	0.95 (7.90)
Freeze Point, °C (°F).....	-5 (23)	RVOC, U.S. EPA, %.....	0

#### Solubility

Water.....	Insoluble	Mineral Oil.....	Soluble
Alcohol (IPA).....	Soluble	Vegetable Oil (Peanut).....	Soluble

Product is biodegradable. Additional information is available upon request.

NEOBEE M-5 COSMETIC has an LD<sub>50</sub> >36 ml/kg body weight (rats) and may cause very mild transient eye irritation but no skin irritation when applied undiluted.

Normal safety precautions (i.e. gloves and safety goggles) should be employed when handling NEOBEE M-5 COSMETIC. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

It is recommended that NEOBEE M-5 COSMETIC be stored in sealed containers and kept at temperatures not exceeding 90°F (32°C). Avoid overheating.

Standard Packaging: NEOBEE M-5 COSMETIC is available in 55 gallon steel closed head lined drums (net weight 430 lb/195 kg).

All components of NEOBEE M-5 COSMETIC are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: Europe (EINECS 277-452-2), Japan (ENCS 2-669), Canada (DSL 73398-61-5), Australia (AICS 73398-61-5), Korea (ECL Serial No. KE-17905), United States (TSCA 73398-61-5), China (IECSC 73398-61-5) and Philippines (PICCS 73398-61-5).

NEOBEE M-5 COSMETIC is Kosher Certified.

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## Formulations

### **BARRIER HAND & BODY LOTION**

<b><u>Ingredients</u></b>	<b><u>Wt. % (as is)</u></b>	<b><u>Function</u></b>
1. D.I. Water	q.s. to 100.0	Solvent, Carrier
2. Glycerin	5.0	Humectant
3. Methyl Paraben	0.15	Preservative
4. AMMONYX® GA-70PG	2.86	Primary Emulsifier
5. NEOBEE M-5 COSMETIC	15.0	Primary Emollient
6. Glyceryl Monostearate	2.5	Secondary Emulsifier
7. Isopropyl Palmitate	1.0	Secondary Emollient
8. Stearyl Alcohol	2.0	Thickener
9. Cetyl Alcohol	1.5	Thickener
10. Propyl Paraben	0.01	Preservative
11. Preservative, Fragrance, Dye	q.s.	Additives

#### **Mixing Procedure:**

Prepare water phase by adding water, Glycerin, Methyl Paraben and AMMONYX GA-70PG. Mix well. Start heating to 160°F (71°C). Prepare oil phase by adding NEOBEE M-5 COSMETIC, Glyceryl Monostearate, Isopropyl Palmitate, STEARYL ALCOHOL 97, STEPAN CETYL ALCOHOL, and Propyl Paraben. Heat to 160-165°F (71-74°C). Add oil phase to the water phase. Emulsify for 20-25 minutes. Cool to room temperature. Add preservative, fragrance and dye, as desired.

### **TANNING ACCELERATOR**

<b><u>Ingredients</u></b>	<b><u>Wt. % (as is)</u></b>	<b><u>Function</u></b>
1. D.I. Water	q.s. to 100.0	Solvent, Carrier
2. Methyl Paraben	0.15	Preservative
3. Propyl Paraben	0.01	Preservative
4. Glycerin	3.5	Humectant
5. Steareth-20	0.4	Emulsifier
6. NEOBEE M-5 COSMETIC	10.0	Primary Emollient
7. Glyceryl Monostearate	3.0	Emulsifier
8. CETYL ALCOHOL	2.0	Thickener
9. WECOBEE® S	2.5	Secondary Emollient
10. Silicone 200 (350 cps)	1.0	Emollient
11. Preservative, Fragrance, Dye	q.s.	Additives
12. Dihydroxyacetone	3.5	Active Material

#### **Mixing Procedure:**

Prepare water phase by adding water, Methyl Paraben and Glycerin. Mix well. Heat to 160°F (71°C). Prepare oil phase by adding Steareth-20, Propyl Paraben, NEOBEE M-5 COSMETIC, Glycerol Monostearate, CETYL ALCOHOL, NF and WECOBEE S. Heat to 165°F (74°C). Add oil phase to the water phase. Increase agitation. Mix at 165°F (74°C) for 20-25 minutes. Start cooling to room temperature. At 110°F (43.3°C), add preservative, fragrance and dye, as desired. Premix Dihydroxyacetone with water. Add at 95°F (35°C). Mix well. Adjust pH.

## Additional Safety Information

A Material Safety Data Sheet is available upon request.

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**Corporate Headquarters**  
**Northfield, Illinois 60093, U.S.A.**  
**847-446-7500 847-501-2100 fax**  
**Website: [www.stepan.com](http://www.stepan.com)**

For Technical Service Call: Northfield, IL USA 800-745-7837  
Longford Mills, Canada 705-326-7329 • Mexico City, Mexico +52-555-533-1697  
Voreppe, France +33-476-505-100 • Bogota, Colombia +57-1-6362808  
Stalybridge, United Kingdom +44-141-338-9083  
Manila, Philippines +632-891-1708

