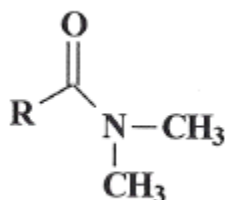


Product
Name

STEPOSOL[®] M-8-10

Chemical
Structure



R= C₇H₁₅ or C₉H₁₉

Chemical
Description

STEPOSOL M-8-10 is a [N, N-dimethyloctanamide (N, N-dimethylcaprylamide) and N, N-dimethyldecanamide (N, N-dimethylcapramide)].

CAS
Registry No.

1118-92-9, 14433-76-2

Applications

STEPOSOL M-8-10 belongs to a unique class of disubstituted amides with utility in coatings, household, industrial and institutional applications. STEPOSOL M-8-10 displays a broad range of properties, including excellent solvency, a low VOC content, as well as heat and hydrolysis stability.

Typical
Properties

Appearance at 25 °C.....	Clear liquid
Viscosity at 25 °C, cps	11
pH, 1% aqueous.....	7.4
Density at 25 °C, g/ml (lbs/U.S. gal)	0.88 (7.3)
Color, Gardner	2 max.
Color, APHA.....	8
Cloud Point, °C (°F).....	<-20.0 (<-4.0)
Pour Point, °C (°F)	-19.6 (-3.3)
Freeze Point, °C (°F).....	-34.0 (-29.2)
Melting Point, °C (°F)	-17.0 (1.4)
Boiling Point, °C (°F)	260 (500)
Flash Point, PMCC °C (°F).....	118 (245)
Dielectric Constant at 25 °C	17.00
Refractive Index at 20 °C	1.452
Surface Tension (as is), dynes/cm	30.9
Kauri-Butanol Value or KB Value	>300
VOC, CARB 310, %	32.6
Solubility	
Water	Partially Soluble
Methanol	Soluble
Kerosene	Soluble
Xylene.....	Soluble

Other Data

DOT Classification Non-regulated



Biodegradability	This product is readily biodegradable. Additional information is available upon request.
Toxicity	STEPOSOL M-8-10 was found to be slightly toxic orally (LD ₅₀ = 1,750 mg/kg). Undiluted product may cause severe eye and skin irritation.
Storage & Handling	<p>Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEPOSOL M-8-10. Contact with eyes and prolonged contact with skin should be avoided. Wash thoroughly after handling materials.</p> <p><u>Bulk Storage Information:</u> Stainless steel tanks are recommended. Temperatures up to 130 °F (54 °C) can be maintained for long periods of time without degradation of the product.</p> <p><u>Standard Packaging:</u> Available in drums (390 lb, 177 kg) or bulk.</p>
Clearances	<p>All components of STEPOSOL M-8-10 are listed in the following countries; the registration number for the active ingredient is included in parentheses: United States (TSCA 1118-92-9, 14433-76-2), Canada (NDSL 1118-92-9, 14433-76-2), Australia (AICS 1118-92-9, 14433-76-2), China (IECSC 1118-92-9, 14433-76-2), Japan (ENCS 2-825), Europe (EINECS 214-272-5, 238-405-1).</p> <p>Per the California Air Resources Board's (CARB) Consumer Product Rule, OTC Model Rule and Federal VOC Standards, STEPOSOL M-8-10 is exempt from VOC limit requirements because it is a LVP-VOC (low vapor pressure VOC). All regulations define an LVP-VOC as a compound or mixture which meets one of the following criteria: 1) The compound has a vapor pressure of less than 0.1 mm Hg at 20 °C; 2) the compound has more than 12 carbon atoms, or a mixture comprised solely of compounds with more than 12 carbon atoms, and the vapor pressure is unknown or 3) the compound has a boiling point greater than 216 °C.</p> <p>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.</p>

Product Stewardship	This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.
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Additional Safety Information	<p>A Safety Data Sheet is available upon request.</p> <p>The information contained herein is based on the manufacturer's own study and the works of others and is subject to change without prior notice. The information is not intended to be all-inclusive, including as to the manner and conditions of use, handling, storage or disposal or other factors that may involve additional legal, environmental, safety or performance considerations. Nothing contained herein grants or extends a license, express or implied, in connection with any patents issued or pending of the manufacturer or others, or shall be construed as a recommendation to infringe any patents or to violate any applicable laws. STEPAN COMPANY MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR USE, AND NO WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE, INCLUDING REGARDING PERFORMANCE, SAFETY, SUITABILITY, STABILITY, ACCURACY, COMPLETENESS, ADEQUACY OR OTHERWISE. Stepan Company (and its employees, subsidiaries and affiliates) shall not be liable (regardless of fault) to the vendee, its employees, or any other party in respect of this information, including in respect of its accuracy, completeness, adequacy, furnishing, use, or reliance upon, and the vendee assumes and releases Stepan Company (and its employees, subsidiaries and affiliates) from all liability, whether in tort, contract or otherwise.</p>
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