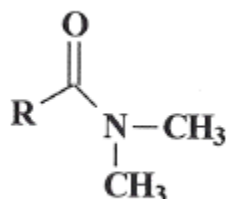


Product Name

HALLCOMID® M-8-10

Chemical Structure



R= C₇H₁₅ or C₉H₁₉

Chemical Description

HALLCOMID 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

HALLCOMID M-8-10 belongs to a unique class of disubstituted amides with utility in agricultural formulations. HALLCOMID M-8-10 displays a broad range of properties, including excellent solubility in organic solvents, low vapor pressure, and heat and hydrolysis stability. The product is EPA registered for use in Pesticide formulations.

Typical Properties

| | |
|---|---------------|
| Appearance at 25 °C..... | Clear liquid |
| Density at 25 °C, g/ml (lbs/U.S. gal)..... | 0.877 (7.3) |
| Molecular Weight (g/mol) | 171.28; 199.3 |
| Moisture, % | 0.3 max. |
| Viscosity at 25 °C, cps | 11 |
| Acid Value | 1.0 |
| pH, 1% aqueous..... | 7.4 |
| Flash Point, PMCC, °C (°F)..... | 118 (245) |
| Pour Point, °C (°F) | -20 (-4) |
| Boiling Point, °C (°F) | 260 (500) |
| Freeze Point, °C (°F) | -34 (-29) |
| Melt Point, °C (°F) | -17 (1.4) |
| VOC,% (CARB Attachment B) | 20.3 |
| Color, Gardner | <1 |
| Amide C-8 plus C-10 (%) | >97 |
| Dielectric constant at 25 °C..... | 17.00 |
| Solubility M-8-10 in water (25 °C; % wt)..... | 0.12 |
| Solubility of water in M-8-10 (25 °C; % wt.)..... | 22 |

Other Data

DOT Classification

Non-Regulated

Toxicity

HALLCOMID M-8-10 was found to be slightly toxic orally (LD₅₀=1,750 mg/kg). Undiluted product may cause severe eye and skin irritation.



Storage & Handling

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling HALLCOMID M-8-10. Contact with eyes and prolonged contact with skin should be avoided. Wash thoroughly after handling materials.

Bulk Storage Information: 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.

Standard Packaging: Available in drums (390 lb, 177 kg) or bulk.

Clearances

All components of HALLCOMID 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).

HALLCOMID M-8-10 is approved for use as an agricultural inert under U.S. EPA 40 CFR 180.920, pre-harvest applications.

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.

Product Stewardship

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

Additional Safety Information

A Safety Data Sheet is available upon request.



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