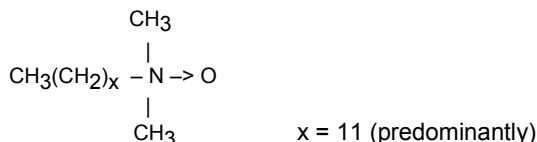


Product Name

AMMONYX[®] LO-A

Chemical Structure



CAS Registry No.

1643-20-5

INCI Name

Lauramine Oxide

Applications

Functional Properties

- Foam Enhancer
- Foam Stabilizer
- Viscosity Builder
- Lubricant*
- Bleach Stable
- Emulsifier*
- Wetting Agent*
- Dye Dispersant*
- Can be formulated with anionic, nonionic and cationic materials
- Acid Stable

(*For use in the textile industry)

End Product Uses

Personal Care

- Shampoos
- Handsoaps
- Bath Products
- Creams & Lotions
- Hair Conditioners

Household & I&I

- Dishwashing Detergents
- Cleansers
- Hard Surface Cleaners
(which contain acids or bleach)

Typical Properties

Appearance at 25°C.....	Clear liquid	Color (APHA), as is	100 max.
Amine Oxide (EW 238), %	30	Viscosity at 25°C, cps.....	18
Free Amine (EW 222), %	1.0 max.	Flash Point (PMCC), °C (°F).....	>94 (>201)
pH, 10% aqueous.....	8.0	Density, g/ml (lbs/U.S. gal).	0.968 (8.05)
Cloud Point (as is), °C (°F).....	-1 (30)	RVOC, U.S. EPA, %.....	0
Boiling Point, °C (°F).....	100 (212)	Free Peroxide, %.....	0.13
Freeze Point, °C (°F).....	-12 (10)	RVOC, U.S. EPA, %.....	0
Preservative	Not required		

Environmental Effects

Product is readily biodegradable. A detailed biodegradability statement is available upon request.

Health Effects

The available toxicity data shows AMMONYX LO-A to be slightly toxic orally to rats, (LD₅₀ >3000 mg/kg). At 2.5% active, AMMONYX LO-A may cause severe eye irritation and minimal irritation to the skin. AMMONYX LO-A is expected to cause slight irritation at ≤ 1%.

Storage & Handling

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

It is recommended that AMMONYX LO-A be stored in sealed containers and kept at temperatures not lower than 50°F (10°C) nor higher than 120°F (49°C). Avoid overheating or freezing.

Bulk Storage Information: Tanks, with a conservation vent, made of 316L stainless steel or fiberglass with an Atlac 382 corrosion liner are recommended. Centrifugal or positive displacement gear pumps and piping should be 316L stainless steel. Recommended storage for bulk tanks is 20-52°C (68-125°F).

Standard Packaging: AMMONYX LO-A is available in bulk and in 55 gallon drums (net weight 425 lb/193 kg).

Freeze Statement: If material is frozen, gentle heat [approximately ~95 °F (~35 °C)] and agitation are recommended to ensure the material is homogeneous before use.



Clearances

AMMONYX LO-A is cleared for use user 40 CFR 180.910, pre- and post-harvest applications.

All components of AMMONYX LO-A are listed in the following countries; the registration numbers for the active ingredients are included in parentheses: United States (TSCA), Europe (EINECS), Japan (ENCS), Canada (DSL), Australia (AICS), Korea (ECL), Philippines (PICCS), New Zealand (NZIoC) and China (EICS).

It is the responsibility of the end user to review the chemical control regulations for each country.

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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