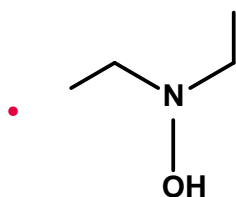


N,N-DIETHYLHYDROXYLAMINE 85%

(IN AQUEOUS SOLUTION)

- Acronym : DEHA 85%
- Synonyms : Diethylhydroxylamine
- CAS number: 3710-84-7
- EINECS number: 223-055-4
- Formula : C₄H₁₁NO



MAIN PROPERTIES

SPECIFICATIONS	VALUES	ARKEMA references	Norms references
Appearance at 20°C	Clear liquid free from suspended materials	LCR 1116	ASTM D 4176
DEHA content (% by weight)	85.0 - 90.0	LCR 2215	GC
Organic purity (% by weight)	≥ 99.0	LCR 2215	GC
Diethylamine (% by weight)	≤ 0.5	LCR 2215	GC
Water content (% by weight)	≤ 15.0	LCR 2215	GC
Color (Pt-Co)	≤ 100	LCR 1002	ASTM D 1209

The above commercial specifications are guaranteed ; they were established using the test methods which were in force at the plant at the time of despatch of the product, and are in accordance with any applicable revision references.

MAIN APPLICATIONS

- Short-stopper in styrenic rubber polymerization.
- Oxygen scavenger for boilers.
- Color stabilizer in traditional photography.
- Antioxidant for various industrial applications.

N,N-DIETHYLHYDROXYLAMINE 85%

PACKAGING

DEHA 85 % is supplied in polyethylene drums of net weight 185 kg , in one-way polyethylene containers of 900 kg net weight and in shuttle containers of 820 kg net weight.

STORAGE / SAFETY / PRECAUTIONS DURING USE / HANDLING

Typical shelf life at 25°C is 12 months with no change of the quality (except for color).

After a period of 6 months the coloration may in some case slightly increase, but this should have no impact on product efficiency.

Appropriate storage should limit potential color change. Please follow the storage recommendations mentioned in the MSDS .

PHYSICAL DATA

Molecular weight	89.14
Initial boiling point at 1013 hPa.....	96 °C
Vapor pressure at 20 °C.....	36.6 hPa
Freezing point	- 25 °C
Density at 20 °C.....	0.900 g/cm3
Flash point (closed cup)	49.5 °C
Autoignition temperature	265 °C
Solubility in water at 20 °C	complete below 35 % and above 85 %
pKa at 25 °C (refer to the protonated amine in aqueous solution)	5.61

Updated: December 05 th, 2016 Revision: 8 File n° : 31.GI. 03.2005

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

See MSDS for Health & Safety Considerations