

Tallowamine Ethoxylate (KETALO)



KIMYAGARAN
Emrooz
Chemical Industries Co.

Technical Data Sheet



Tallowamine Ethoxylate (KETALO)

Chemical Name:

Tallowamine Polyethylene Glycol Ether

Trade Name:

KETALO

Introduction:

Tallowamine Ethoxylates are nonionic surfactants which are such as all kinds of other nonionic surfactants mixtures varying in the number of repeating ethoxy groups. The digit which is appeared after the name of KETALO shows the average number of ethylene oxide units in the Tallowamine Ethoxylates molecule. For example, KETALO-15 means a Tallowamine molecule which is reacted with average fifteen molecules of ethylene oxide.

Due to the amine group in these products, low-mole ethoxylates are cationic in nature; higher-mole ethoxylates exhibit typical nonionic characteristics such as cloud point and compatibility with anionic surfactants.

Different grades:

KETALO 2, KETALO 15

General Applications:

Tallowamine Ethoxylates are used in a wide variety of applications; they have been developed for use as emulsifer for a variety of pesticide formulations. They can be used alone or in combination with other surfactants. Tallowamine ethoxylates adsorb strongly to most metal, fiber and mineral surfaces, which makes them useful as corrosion inhibitors, softeners, anti-static agents and adhesion promoters.

KETALO with high HLB could be a great nonionic emulsifier. It finds applications in leather and textile processing aids, paints, inks, cosmetics, petroleum products, metal treating, synthetic fiber manufacture and production of paper and plastic products as emulsifiers, dispersants, wetting



agents and dye leveling agents. It is miscible with cationic and anionic surfactants and used as adjuvant in pesticide and herbicide formulation.

KETALO is stable in acidic and alkaline media.

Packaging:

Packaging Type	Net weight	Gross weight	No. of drums per pallet	No. of pallets in a 20 FLC	Shelf life	IMCO Class
New Steel Drums	220 Kgs	238 Kgs	4	20	2 yrs	Non-Imco

Notice:

We can produce other types of Tallowamine Ethoxylates (KETALOs), moreover customized packaging will be available according to customer's request.

Safety, Handling & Storage:

Full information on the safety, handling and storage of KETALOs is available in the corresponding Material Safety Data Sheet ([MSDS](#)).



Tallowamine ethoxylate-2EO

Trade Name: **KETALO-2**

Specification

No.	Test	Standard	Reference
1	Appearance at 25°C	Yellow solid	---
2	pH (5% aq. in water)	8-11	ASTM E70
3	HLB	14	---
4	Molecular weight	327-361	---
5	Total Amine Value, mg KOH/g	155-171	ASTM E2073
6	Water, percent	Max. 0.5	ASTM E203



Tallowamine ethoxylate-15EO

Trade Name: **KETALO-15**

Specification

No.	Test	Standard	Reference
1	Appearance at 25°C	Reddish Liquid	---
2	pH (5% aq. in water)	8-10	ASTM E70
3	HLB	14	---
4	Molecular weight	890-950	---
5	Total Amine Value, mg KOH/g	59-63	ASTM E2073
6	Water, percent	Max. 5	ASTM E203
7	Solubility in water	Soluble	---

Website: www.kimyagaran.com

Tel: +98-21-88746565

Fax: +98-21-88746564

E-Mail: info@kimyagaran.com

Address: No.133, West Hoveizeh Street, North Sohrevardi Ave., Tehran, Iran