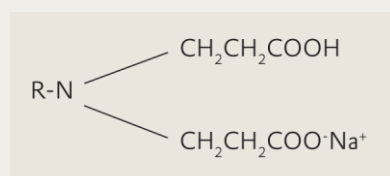


Product Specification – Iminodipropionate Amphoteric

TOMAMINE® Amphoteric 400 Surfactant

Description

TOMAMINE® Amphoteric 400 Surfactant is an extremely low foaming iminodipropionate amphoteric supplied as a 50% solution of the partial sodium salt. TOMAMINE® Amphoteric 400 Surfactant is designed for use in hard surface alkaline or acid cleaning formulations where no foam is desired. It is compatible with anionic, non-ionic, and cationic surfactants.



Applications

- Low foam alkaline and acid cleaners
- Mechanical dish wash detergents
- Steam cleaners
- Laundry detergents
- “Scrub Vac” rug cleaners
- Defoamer in latex paints
- Clean-in-place and spray detergents
- Alkaline paint strippers
- Acid bowl cleaners
- Leather lubrication

Advantages

- Very low foam
- Excellent stability in acids, alkali, and concentrated electrolytes
- Compatible in non-ionic, cationic, and anionic systems
- Good coupling properties
- Brine stable

Typical Properties¹

Active, %	50
Average molecular weight	295
Water %	50
pH (5 % aqueous)	6 – 9
Appearance @ 20 °C	light amber liquid
Pour Point, °F	30
Boiling Point, °F	210
Flash Point, °F	> 212
Specific gravity @ 25 °	1.09
Gardner color, max.	5

PERFORMANCE ADVANTAGES: ROSS–MILES FOAM HEIGHT

Conditions: 25 °C, 0.1 % active, pH Neutral

Surfactant	Water Hardness: 150 ppm			Water Hardness: 300 ppm		
	Foam (cm) initial	Foam (cm) 5 minutes	Stability (Vol. %)	Foam (cm) initial	Foam (cm) 5 minutes	Stability (Vol. %)
TOMAMINE® Amphoteric 400	2.6	0.0	0.0	2.0	0.0	0.0
TOMAMINE® Alkali Surfactant	13.1	3.8	29.0	12.1	7.8	64.1
TOMAMINE® Amphoteric N	18.0	18.0	100.0	16.5	16.5	100.0
TOMAMINE® Amphoteric SC	18.3	18.3	100.0	17.4	17.4	100.0
TOMAMINE® Amphoteric L	17.8	17.6	98.9	17.7	17.5	98.9
Nonylphenol 9 EO	12.7	11.6	91.3	12.0	11.1	92.5
Alcohol Sulfate	12.8	12.7	99.2	10.4	6.158.7	58.7

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

07/2017

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