

## TECHNICAL DATA SHEET

# Alkamide™ 440

Low Viscosity Reactive Polyamide Resin

Alkamide™ 440 is low viscosity reactive amino polyamide designed to use as curing agent in room temperature cured liquid and solid epoxy resin formulations, casting, and adhesives.

## Properties

- Excellent mechanical properties
- Excellent chemical resistance
- Rate of curing can be accelerated by using small quantity of tertiary amine catalyst

## Applications

Alkamide™ 440 is suitable for formulation of cold curing, solvent free and solvent containing thermoset coatings. This resin also used in epoxy adhesive formulations. It provides excellent adhesion, mechanical and corrosion properties hence it is preferred choice as a curing agent.

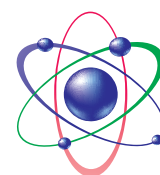
Alkamide™ 440 and epoxy resin systems are recommended for application such as anti-corrosive protection for metals, ship building, construction industry, and adhesives.

### Specific Key Data

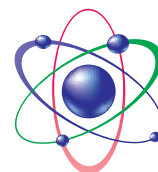
Appearance	Visual	Clear Amber, viscous resin
Color	Gardner	12 max.
Viscosity in CPS	@ 40°C	3500 – 5500
Amine value	mg KOH/g	370 - 410

### Typical Properties

Density @ 25°C	g/cm <sup>3</sup>	0.97 – 0.98
Amine Hydrogen Equivalent Weight	(Theoretical)	95
Non-volatile Content@125°C	Weight %	~ 100
Flash Point	(Closed Cup)	>185°F



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## PACKING

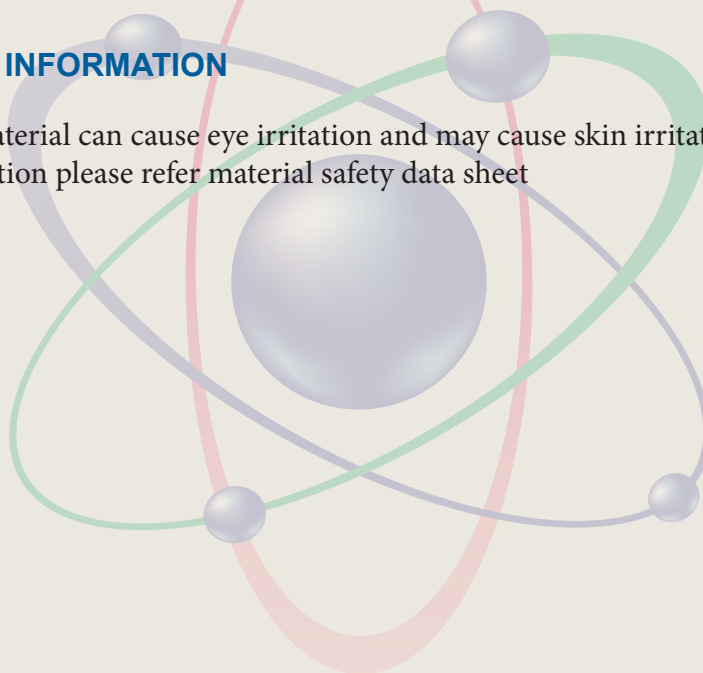
- Alkamide™ 440 is packed and delivered in 190 kg steel drums
- Other packs are available on request.

## STORAGE

Alkamide™ 440 should be stored in tightly closed original containers in a cool and dry location. The product should not be stored exposed to direct sunlight. It should be kept away from source of ignition. Under these conditions, it has storage life of at least 12 months from the date of manufacturing.

## HEALTH AND SAFETY INFORMATION

Direct contact with this material can cause eye irritation and may cause skin irritation. For material handling, healthy and safety information please refer material safety data sheet



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