

## TECHNICAL DATA SHEET

# Alkamide™ 425

Medium Viscosity Reactive Polyamide Resin

Alkamide™ 425 is medium viscosity reactive amino polyamide designed to use as curing agent in room temperature cured liquid and solid epoxy resin formulations and laminating adhesive.

### Properties

- Extremely long working pot life
- Excellent flexibility and adhesion
- Superior corrosion resistance properties
- Rate of curing can be accelerated by using small quantity of tertiary amine catalyst

### Applications

Alkamide™ 425 is suitable for formulation of cold curing, solvent containing thermoset coatings. This resin also used in epoxy adhesive formulations. It provides excellent adhesion, flexibility and corrosion properties hence it is preferred choice as a curing agent.

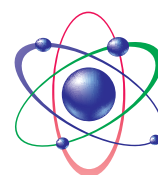
Alkamide™ 425 and epoxy resin systems are recommended for application such as anti-corrosive protection for metals, ship building, construction industry, and adhesives.

#### Specific Key Data

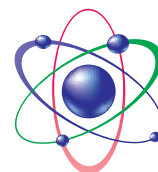
|                  |          |                            |
|------------------|----------|----------------------------|
| Appearance       | Visual   | Clear Amber, viscous resin |
| Color            | Gardner  | 12 max.                    |
| Viscosity in CPS | @ 40°C   | 8000 – 12000               |
| Amine value      | mg KOH/g | 280 - 320                  |

#### Typical Properties

|                                  |                   |             |
|----------------------------------|-------------------|-------------|
| Density @ 25°C                   | g/cm <sup>3</sup> | 0.97 – 0.98 |
| Amine Hydrogen Equivalent Weight | (Theoretical)     | 130         |
| Non-volatile Content@150°C       | Weight %          | 94- 100     |
| Flash Point                      | (Closed Cup)      | >200°F      |



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## PACKING

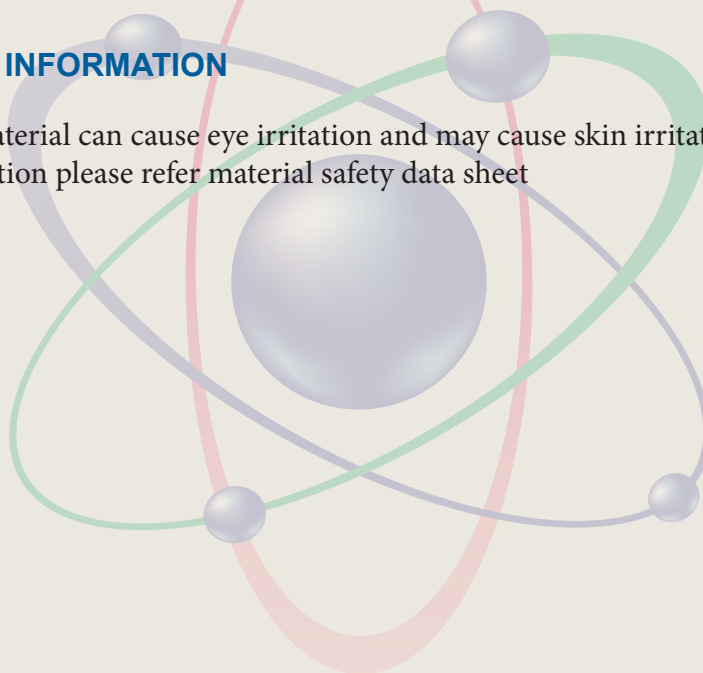
- Alkamide™ 425 is packed and delivered in 190 kg steel drums
- Other packs are available on request.

## STORAGE

Alkamide™ 425 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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