

# TEKNOGAS (M) SDN BHD

33, Lorong Rahim Kajai 13,  
Tmn Tun Dr. Ismail, 60000 Kuala Lumpur, Malaysia  
Tel: 03-77298899 Fax: 03-77275785

## ANHYDROUS AMMONIA

### PRODUCT SPECIFICATION:

|                             |              |
|-----------------------------|--------------|
| NH <sub>3</sub> content v/v | : 99.50% min |
| Water content v/v           | : 0.50% max  |
| Oil content w/w             | : 10 ppm     |

### TECHNICAL SPECIFICATION:

|                                                                 |                                |
|-----------------------------------------------------------------|--------------------------------|
| Molecular Symbol                                                | NH <sub>3</sub>                |
| Molecular Weight                                                | 17.032                         |
| Boiling Point at 1 atm                                          | -28°F (-33.35°C)               |
| Melting Point at 1 atm                                          | -107.9°F (-77.7°C)             |
| Critical Temperature                                            | 271.4°F                        |
| Critical Pressure                                               | 1,675 psi                      |
| Vapour density at -28°F(-33.35°C) 1 atm                         | 0.05555 lb per ft <sup>3</sup> |
| Specific gravity of liquid at -33.35°C compared to water at 4°C | 0.6819                         |
| Liquid density at -28°F and 1 atm                               | 42.57 lb per ft <sup>3</sup>   |
| Specific volume of vapour at 32°F (0°C) and 1 atm               | 20.78 lb per ft <sup>3</sup>   |
| Explosive limits in air, % by volume                            | 16.25%                         |
| Explosive limits in oxygen, % by volume                         | 15.79%                         |
| Light sensitivity                                               | None                           |
| Appearance                                                      | Colourless                     |
| Odour                                                           | Pungent                        |

Country of Origin : Malaysia, Asian Bintulu Fertilizer Sdn Bhd