

## Technical Data Sheet

| Product Info          |                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Trade Name            | <b>Padapon AE-270</b>                                                                                                                                                                                                                                                                                                                            |
| Overview              | Padapon AE-270 is an anionic surfactant with excellent wetting, foaming and detergency properties. Its low skin irritation makes it suitable for mild cleansing products as well as baby shampoo. It can be formulated into dishwashing detergents, laundry detergents, textile detergents, industrial cleaners and car/truck wash applications. |
| Chemical Name         | Ammonium Alkyl (C12-C14) Ether (2 EO) Sulfate                                                                                                                                                                                                                                                                                                    |
| Chemical formula      | $\text{CH}_3-(\text{CH}_2)_n-(\text{OCH}_2)_m-\text{OSO}_3-\text{NH}_4$ $n = 11 - 13, \quad m = 2$                                                                                                                                                                                                                                               |
| Synonyms              | Ammonium Lauryl Ether Sulfate, Ammonium Alkyl Ethoxy Sulfate, ALES                                                                                                                                                                                                                                                                               |
| Molecular Weight      | 381                                                                                                                                                                                                                                                                                                                                              |
| Cas No.               | 90583-11-2                                                                                                                                                                                                                                                                                                                                       |
| Specifications        |                                                                                                                                                                                                                                                                                                                                                  |
| Active Matter (%)     | $70 \pm 1$                                                                                                                                                                                                                                                                                                                                       |
| Appearance            | White or light yellow paste                                                                                                                                                                                                                                                                                                                      |
| Free amine            | Max 0.05                                                                                                                                                                                                                                                                                                                                         |
| Ammonium Sulfate (%)  | Max 3                                                                                                                                                                                                                                                                                                                                            |
| Unsulfated Matter (%) | Max 4.0                                                                                                                                                                                                                                                                                                                                          |
| Color(Hazen)          | Max 30                                                                                                                                                                                                                                                                                                                                           |
| pH (5% solution)      | 5-7                                                                                                                                                                                                                                                                                                                                              |
| Dioxane (ppm)         | Max 50                                                                                                                                                                                                                                                                                                                                           |
| Oxidant               | 0.0                                                                                                                                                                                                                                                                                                                                              |
| Heavy metal (ppm)     | Max 20.0                                                                                                                                                                                                                                                                                                                                         |

#### Packaging Info

|            |                                                      |
|------------|------------------------------------------------------|
| Packaging  | 220 Kgs/HDPE drum                                    |
| Storage    | Keep stored in cool and dry place away from sun rays |
| Shelf Life | 1 year                                               |

#### Other Info

|              |                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------|
| Applications | Laundry, Shampoos, Body Wash, Facial Cleansers, Industrial Foaming Applications, Textile Applications.                       |
| Precautions  | Under the circumstance of high temperature (above 40 °C) or acidic conditions ( $\text{pH} \leq 5$ ), it will be decomposed. |
| Details      | For more details, please contact us by phone (+982143413000) or by email (info@psgharb.com)                                  |