



01 JAN 14

## SALES SPECIFICATIONS

### ETHYLENE GLYCOL ANTIFREEZE GRADE SPECIFIED MATERIAL: 00310233

| TEST ITEM                             | METHOD        | ETHYLENE GLYCOL<br>ANTIFREEZE GRADE |
|---------------------------------------|---------------|-------------------------------------|
| Purity, %wt, minimum                  | BY DIFFERENCE | 95.0                                |
| Diethylene Glycol, %wt, maximum       | ASTM E2409    | 5.0                                 |
| Acidity, ppm, maximum, as Acetic Acid | ASTM E2679    | 100                                 |
| Water, %wt, maximum                   | ASTM E1064    | 0.5                                 |
| Color, Platinum-Cobalt Units, maximum | ASTM D5386    | 25                                  |
| Appearance                            | ASTM E2680    | Pass                                |

For material made from recovered By-Product Glycol produced at Union Carbide's West Virginia Plant, a wholly owned subsidiary of The Dow Chemical Company, esters are less than 300 ppm calculated as acetic acid.

Typical values for Specific Gravity (20/20°C): 1.1130 – 1.1170