

QUALITY CONTROL DEPARTMENT

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| ORDER NUMBER |
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SPECIFICATION SHEET



| PRODUCT |
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| Diethylene Glycol 136400 -0020 |

| SPECIFICATION | SPECIFICATION VERSION | SPECIFICATION DATE |
|---------------|-----------------------|--------------------|
| 01990/GJ/NAN | 1.1000 | 04/25/2013 |

| PRODUCT SPECIFICATION | | | |
|--------------------------------|--------------|-------|---|
| TEST | TEST ID | UNITS | REQUIREMENTS |
| Date Heading | Date Heading | | Use By Date, Expiration Date, Retest Date, None |
| Appearance (c) | L-460 | | Clear |
| Purity by Gas Chromatography n | L-095 | % wt | 99.5 =< Value =< 100 % wt |
| Color (n) | L-020 | APHA | 0 =< Value =< 10 APHA |
| Water in volatile solvents (n) | L-036 | % | 0 =< Value =< .1 % |
| Ethylene Glycol n | L-095-4 | wt. % | 0 =< Value =< .2 wt. % |
| Triethylene Glycol n | L-095-5 | wt. % | 0 =< Value =< .5 wt. % |
| Acidity (as Acetic Acid) (n) | L-055 | % wt. | 0 =< Value =< .005 % wt. |
| Specific Gravity 20C (n) | L-005 | | 1.117 =< Value =< 1.12 |
| Refractive Index 20C (n) | L-001 | (n) | 1.44 =< Value =< 1.5 (n) |
| IBP Distillation Range (c) | L-455-1 | deg C | 242 =< Value =< 250 deg C |
| DP Distillation Range (c) | L-455-2 | deg C | 245 =< Value =< 250 deg C |
| Ash Content | L-443 | | 0.005wt % max |
| Iron in Trace Qty. (c) | L-496 | | 0.50 ppm max |
| Country Of Origin | COUNTRY | | |
| Manufacture Name | MFG NAME | | |
| Shelf Life | SHELF LIFE | | |

| REMARKS |
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| DOT MARKINGS |
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| UN CODE | PACKAGING GROUP | CAS NUMBER |
|---------|-----------------|------------|
| | | 111-77-3 |

| DOT NAME |
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| CONTAINS |
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| HAZARD TEXT |
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Important

The information on the sheet is believed to be accurate but is not warranted to be so. Protective equipment, health effects, and other related safety measures are based on intended and anticipated product use. Recipients are advised to confirm in advance of need that the information is applicable and suitable to their circumstances.