



**MAHALAXMI**  
GROUP OF COMPANIES

**Mahalaxmi Dyes & Chemicals Ltd.**

## Specifications for Polyethylene Glycol (PEG 400)

| Parameter                  | Value                        |
|----------------------------|------------------------------|
| Molecular Formula          | ---                          |
| Mol Wt                     | ---                          |
| CAS #                      | [25322-68-3]                 |
| Description                | Clear colourless liquid      |
| Sp gravity @ 27/27 deg cel | 1.110-1.120                  |
| Cloud Point in deg cel     | Report                       |
| BP in deg cel              | > 200                        |
| Flash Point in deg cel     | 235                          |
| pH of 1% solution          | 4.5 -7.0                     |
| Solubility                 | Soluble in water and ethanol |

## Uses

| Industry   | Application  |
|------------|--|
| Pharma     | Base for formulations                                  |
| Cosmetics  | Base for creams and emulsions                          |
| Polymer    | RM for Mfr of polyurethane                             |
| Detergents | In mfr of PEG salts of lauric, oleic and stearic acids |
| Rubber     | In mfr of latex  |



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## Specifications for Polyethylene Glycol (PEG 600)

| Parameter                  | Value                        |
|----------------------------|------------------------------|
| Molecular Formula          | ---                          |
| Mol Wt                     | ---                          |
| CAS #                      | [25322-68-3]                 |
| Description                | Clear colourless liquid      |
| Sp gravity @ 27/27 deg cel | 1.110-1.120                  |
| Cloud Point in deg cel     | Report                       |
| BP in deg cel              | > 200                        |
| pH of 1% solution          | 4.5 -7.0                     |
| Solubility                 | Soluble in water and ethanol |

### Uses:

| Industry   | Application   |
|------------|---|
| Pharma     | Base for formulations                                 |
| Cosmetics  | Base for creams and emulsions                         |
| Polymer    | RM for Mfr of polyurethane                            |
| Detergents | In mfr of PEG salts of lauric, oleic and stearic acid |
| Rubber     | In mfr of latex                                       |



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## Specifications for Polyethylene Glycol (PEG 4000)

| Parameter              | Value                        |
|------------------------|------------------------------|
| Molecular Formula      | ---                          |
| Mol Wt                 | ---                          |
| CAS #                  | [25322-68-3]                 |
| Description            | Flakes – white to creamy     |
| Cloud Point in deg cel | Report                       |
| BP in deg cel          | > 200                        |
| pH of 1% solution      | 4.5 -7.0                     |
| Solubility             | Soluble in water and ethanol |

### Uses:

| Industry   | Application   |
|------------|---|
| Pharma     | Base for formulations                                   |
| Cosmetics  | Base for creams and emulsions                           |
| Polymer    | Mould releasing agent                                   |
| Detergents | In mfr of PEG salts of lauric, oleic and stearic acid s |
| Lubricant  | As viscosity modifier                                   |