



## PureMark™ M500 MMA - Triazine

**Chemical synonym:** 1,3,5-trimethyl hexahydro-s-triazine; 1,3,5-trimethyl hexahydro-1,3,5-triazine; 1,3,5-trimethyl trimethylenetriamine

**General Information:** CAS number: 108-74-7  
Molecular Formula: C<sub>6</sub>H<sub>15</sub>N<sub>3</sub>  
Molecular Weight: 129.2 g/mol

**Description:** MMA triazine is a polyamine liquid. MMA triazine is used for hydrogen sulfide and mercaptan removal from gas and liquid streams. The product of MMA triazine reacting with hydrogen sulfide or mercaptans is dithiazine which is a known corrosion inhibitor.

MMA Triazine and dithiazine are both biodegradable.

MMA triazine can be used in combination with other triazine sulfur scavenging molecules as well many additives.

**Typical Specifications:**

| Property                   | Specification |
|----------------------------|---------------|
| MMA Triazine concentration | 35.5% to 40%  |

**Typical Properties:**

| Property                            | Value                                   |
|-------------------------------------|---|
| Autoignition Temperature            | 190°C                                   |
| Boiling Point (100% solution)       | 149°C                                   |
| Flash Point (closed cup)            | 88°C                                    |
| Freezing Point                      | -43°C                                   |
| Octanol-water partition coefficient | 0.76                                    |
| Vapor Pressure 20°C                 | 2.79 to 3.4 hPa                         |
| Viscosity @25°C                     | < 15 centipoise                         |
| pH                                  | 10 to 11.7                              |
| Density                             | 1.01 @25°C                              |
| Appearance                          | clear, colorless to light yellow liquid |

**Product Handling:** Please refer to the current Safety Data Sheet when handling and storing this product. Wear appropriate personal protective equipment (PPE).

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