

## Product Datasheet

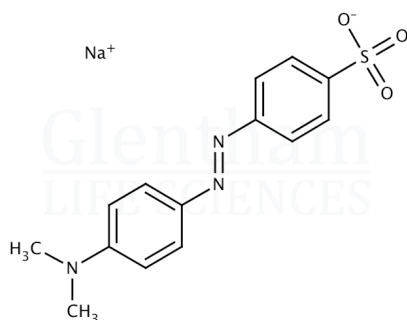
### GT1067 - Methyl Orange (C.I. 13025)

#### Product Details

|                    |                             |
|--------------------|-----------------------------|
| Product Name       | Methyl Orange (C.I. 13025)  |
| Glenthams Code     | GT1067                      |
| CAS Number         | 547-58-0                    |
| EINECS             | 208-925-3                   |
| Colour Index       | 13025                       |
| MDL Number         | MFCD00007502                |
| PubChem SID        | 310276946                   |
| Related Categories | Biochemicals, Dyes & Stains |

#### Structure

|                   |                           |
|-------------------|---------------------------|
| Molecular Weight  | : 327.34                  |
| Molecular Formula | : $C_{14}H_{14}N_3NaO_3S$ |



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

|                     |              |
|---------------------|--------------|
| CLP Classification  | Acute Tox. 3 |
| Signal Word         | Danger       |
| Hazard Codes        | H301         |
| Precautionary Codes | P301+P310    |

#### Pictograms



UN Number, Class, PG (RID) UN3143 - 6.1 - PG III

#### Glenthams Product Specification

|                                                      |                                             |
|------------------------------------------------------|---------------------------------------------|
| Physical Description                                 | : Orange to dark orange powder              |
| Solubility (0.1% in water)                           | : Clear, orange solution                    |
| pH Transition Range                                  | : 3.1 - 4.4 (pink to orange-yellow, ACS)    |
| Wavelength of Maximum Absorption ( $\lambda_{max}$ ) | : 465 - 474 nm ( $\lambda_{max1}$ , pH 4.4) |
|                                                      | : 497 - 507 nm ( $\lambda_{max2}$ , pH 3.1) |
| Absorptivity (1%/1cm)                                | : 750 - 850 (at $\lambda_{max1}$ )          |
|                                                      | : 1050 - 1150 (at $\lambda_{max2}$ )        |
| Loss on Drying                                       | : $\leq 3.0\%$ (110°C, 1h)                  |
| Dye Content                                          | : $\geq 95.0\%$                             |
| Version                                              | : v1.1                                      |

#### About Methyl Orange (C.I. 13025)

No further details on record.

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