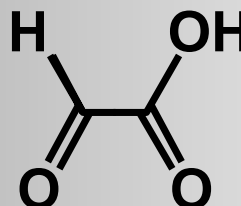


Glyoxylic Acid (GA) 50% in water

Formula:



Structural formula:



Mol. weight: 74.04

SYNONYMS:

| | |
|-------------|---------------------------------|
| CAS: | 2-Oxoethanoic acid |
| CAS RN: | Acetic acid, oxo- [298-12-4] |
| EINECS-No.: | 2060585 |
| German: | Glyoxylsäure 2-Oxoethansäure |

SPECIFICATION RL-G 2020/05:

| | |
|---|-----------------------------------|
| Description: | clear liquid |
| Identity: | ¹³ C-spectrum |
| Colour (Gardner): | max. 3 |
| Oxalic acid: | max. 0.5 % |
| Total acid as equ./kg 100% GA: | max. 14.0 |
| Density (20°C): | 1.3100 - 1.3400 g/cm ³ |
| Sulphate: | max. 50 ppm |
| Assay of glyoxylic acid (aldehyde group titration): | min. 50.0 % |

OTHER PROPERTIES:

| | |
|---------------------------------|----------|
| Solubility in H ₂ O: | miscible |
| Thermal decomposition: | at 40°C |

HANDLING:

| | |
|----------|--|
| Packing: | PE-drums of 250 kg net, bulk, container of 1200 kg net |
| TSCA: | Storage: under 40°C practically unlimited listed |

APPLICATIONS:

Wide range of applications in organic synthesis