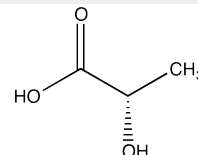


## Identification

$C_3H_6O_3$   
M = 90,08 g/mol  
CAS [79-33-4]  
EC number: 200-018-0  
Taric code: 2918 11 00



## Synonyms

2-Hydroxypropanoic acid, Lactol

## Applications

in food industry.

## Specifications

assay (acidimetric).....min. 88 %  
density (20°/20°).....1,20 - 1,21  
insoluble in  $C_2H_5OC_2H_5$ .....passes test  
aldehydes.....passes test  
chlorides (Cl).....max. 0,001 %  
sulfates ( $SO_4$ ).....max. 0,002 %  
arsenic (As).....max. 0,1 ppm

copper (Cu).....max. 5 ppm  
heavy metals (as Pb).....max. 5 ppm  
iron (Fe).....max. 2 ppm  
lead (Pb).....max. 5 ppm  
nickel (Ni).....max. 5 ppm  
substances darkened by  $H_2SO_4$ .....passes test  
residue on ignition.....max. 0,01 %

## Physical data

- Density: 1,21 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: 18 °C
- Boiling point: (20 hPa) 122 °C
- Flash point: 112 °C
- pH(10 g/l  $H_2O$ , 20 °C) ~ 2,8

## Safety - GHS

Signal Word: Danger

### Hazard Statements:

H315: Causes skin irritation.  
H318: Causes serious eye damage.



### Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P264: Wash thoroughly after handling.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P332+P313: If skin irritation occurs: Get medical advice / attention.  
P337+P313: If eye irritation persists: Get medical advice / attention.

## Transport/storage

- 15°C - 25°C