

THIOACETIC ACID CH₃COSH

- CAS : 507-09-5
- EINECS : 208-063-3

MAIN PROPERTIES

SPECIFICATIONS	VALUES	METHODS
Appearance	Clear liquid	Visual
Purity (wt %)	≥ 98.0	TIO FT 43

The above commercial specifications are guaranteed ; they were established using the test methods which were in force at the plant at the time of dispatch of the product, and are in accordance with any applicable revision references.

USES

Thioacetic acid is a slightly yellow liquid with a pungent odour.

Thioacetic acid gives radical reactions with olefins. These reactions lead to thio acetates which are hydrolysed to produce mercaptans:

- TAA is used to manufacture various pharmaceutical compounds: spironolac-tone (diuretic) or captopril (antihypertension).
- TAA is used to manufacture cysteine
- TAA is used in analytical chemistry to separate heavy metal.

PACKAGING

TAA can be delivered in drums.

Metallic drums with polyethylene lining : net weight 50 kg and 200 kg.

STORAGE / SAFETY / PRECAUTIONS DURING USE / HANDLING

Please refer to the safety data sheet before any use

Shelf life: 6 months stored at 5 °C. The purity will be slightly reduced if the product is stored at 10 °C.

PHYSICAL DATA

Density kg/m ³ (20 °C)	:	1.07
Viscosity (20 °C)	:	6.3 mPas (cP)
Flash point (closed cup)	:	18 °C
Vapor pressure (20 °C)	:	1.07 mbar (hPa)
Boiling point	:	87 °C
Melting point	:	- 17 °C
Refractive Index (20° C)	:	1.466
Decomposition temperature	:	87 °C

SOLUBILITY

Thoacetic acid is slightly soluble in water (low hydrolysis at low temperature, rapid at high temperature).
It is soluble in light alcohols and ethers.

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Revision : 12

MSDS N° : 004130-001

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