

Thioacetamide

Product Stewardship Summary

Chemical Name:	Thioacetamide
Synonyms:	Ethanethioamide
CAS Number:	62-55-5
EC (EINECS) Number:	200-541-4
Revision number:	1-2026

- **Chemical identification and uses:** Thioacetamide is an organosulfur compound which typically appears as a white crystalline solid that is soluble in water. This compound is used only as a laboratory chemical, in replacement for gaseous hydrogen sulfide in qualitative analysis. It has formerly been used as a stabilizer of motor fuel containing lead.
- **Potential exposures:** Exposure to thioacetamide can occur in industrial/manufacturing facilities and/or laboratories involved in qualitative analysis. Workers and laboratory staff risk exposure primarily through inhalation and dermal contact. In case of an accident caused by inhalation, remove the person exposed to fresh air, keep at rest, and consult a physician. After contact with skin, wash immediately with plenty of water and call a physician if symptoms persist. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Thioacetamide is classified as a Category 1B carcinogen in the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), and as such exposure should be minimized. This compound is also harmful if swallowed and causes skin irritation and serious eye irritation if exposure occurs. One should refer to the Safety Data Sheet (SDS) for additional information and any specific protective information.
- **Environmental Health hazards:** Thioacetamide is harmful to aquatic life with long lasting effects and should not be flushed into surface water or sanitary sewer systems. It should be stored in tightly closed containers in a dry, cool and well-ventilated place, and disposed of in accordance with local regulations.
- Please contact us at PSCustomerCare@Solstice.com for more information. Additional information may also be found at the following links:

[EPA - Thioacetamide](#)

[Pubchem - Thioacetamide](#)

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.