



Material Safety Data Sheet

Sodium Thiosulphate

Common synonyms	Sodium thiosulfate, sodium thiosulphate pentahydrate, sodium thiosulfate pentahydrate, sodium hyposulfite, hypo
Formula	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$ (if hydrated)
Physical properties	Form: translucent crystals, or white crystalline powder Stability: Stable. This material reacts with strong acids, iodine and mercury . Melting point: 48 C Water solubility: substantial Specific gravity: 1.73
Principal hazards	*** Sodium thiosulphate may be harmful if you swallow it. It may also irritate the eyes or lungs.
Safe handling	Wear safety glasses.
Emergency	Eye contact: Flush the eye with plenty of water. If irritation persists, call for medical help. Skin contact: Wash off with water. If swallowed: If the amount swallowed is not trivial, call for medical help.
Disposal	Small amounts of dilute sodium thiosulfate solution can be flushed down a sink with a large quantity of water, unless local rules prohibit this. Larger amounts of solution or solid should be stored for later disposal.
Protective equipment	Safety glasses. Protective gloves need not normally be worn to handle this compound or solutions of it, but if gloves are desired, neoprene, nitrile, PVC or natural rubber are all suitable.
Further information	Sodium thiosulfate Chemicals in the HSci database More extensive safety data