



Material Safety Data Sheet

Product Name	Sodium Sulphite (Anhydrous)
Substance specifications	Chemical Name : Sodium Sulphite Composition and content : Not less than 90% Chemical Formula : Na_2SO_3 Reference number in the official gazette (The Chemical Deliberation Act, The Industrial Hygiene an Safety Law) : 1-502 CAS NO. : 7757-83-7
Physical & Chemical properties	Appearance : Light brown powder Boiling Point : Decomposition Initial boiling point : Vapor pressure/Volatility : Melting point : Specific gravity : 2.63 PH : 9-11 (Aqueous solution)
Hazard information	Flash point/Ignition point : Explosion limit Higher/Lower limit : Combustibility : Spontaneous Ignition/Reactivity in water : Oxidation : Self-reactivity/Self-explosion : Dust Explosion : Stability/Reactivity : substance generates SO_2 gas when contact with acids due to high reducing power & oxidization.

First aid	<p>Eye contact:Wash out with large amount of water at once for more than 15 min and get medical treatment.</p> <p>Skin contact:Wash out with soap & large amount of water</p> <p>Inhalation:Wash out mouth well & get medical treatments</p> <p>Swallowing:vomit it at once and wash out mouth & get medical treatments</p>
Response to fires	<p>Fire fighting:Although this substance is noncombustible it should be moved to safe place, if can't, spray it with water to keep cool & prevent from being damaged.</p> <p>also prepare neutralization agent for SO₂ gas.</p>
Response to leaks	<p>Sweep the spilled one and wash down with water, and prevent them flow out into river etc.</p> <p>Use of protective equipment is needed for handling.</p>
Precaution for Handling & Storing	<p>Handling:Avoid rough handling & don't contact with water</p> <p>Storage:Keep the goods in dry place & keep away from Oxidizing substance.</p>
Exposure prevention measures	<p>Control concentration</p> <p>Allowable concentration : The Japan Industry and Hygiene Society (Published in)</p> <p>ACGIH (Published in)</p> <p>Facility safety measure : Local ventilation</p> <p>Safety equipment:Protective Goggle, Glove (made of rubber)</p> <p>Dust-proof mask, Gas mask (If necessary)</p>
Toxicity information	<p>Damage to skin:Those with delicate skin are susceptible to dermatitis</p> <p>Irritation (skin, eyes)</p> <p>Sensitizing property:</p> <p>Acute toxicity: Oral Rabbit LD₅₀ 2825mg/kg</p> <p>Intraperitoneal injection Mouse LD₅₀ 277mg/kg</p> <p>Subacute toxicity:</p> <p>Chronic toxicity:</p> <p>Carcinogenicity</p> <p>Mutagenicity (micro-organism, chromosomal aberration) :</p> <p>Potential of damage to reproductive system:</p> <p>Teratogenicity:</p> <p>Other information:</p>

Environmental impact informations	Degradability: Accumulating property: Toxicity to fish: effect a lot Other information: There is a problem regarding COD.
Precaution for disposal	In disposing, this substance should be oxidized to be stable sulfates compound.
Precaution for Transportation	Avoid rough handling & contact with water
Law applied	The sea pollution prevention Act Hazardous fluid material PH. BOD. COD
Remarks	Reference 1. Manual of Hazardous Material and Toxic Material, edited by Kaigai Gijyutsu Shiryo Kenkyusho. 2. Dangerous Properties of Industrial Materials 7th Ed. Vol. II 1988 Sax.