



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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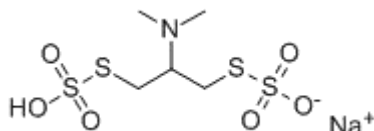
1. Chemical Product Identification

Product Name: Monosultap 95% TC

Molecular Formula: C₅H₁₄NO₇S₄Na

Molecular Weight: 351.39 g/mol

Structural Formula:



Chemical Name: sodium hydrogen S,S-[2-(dimethylamino) trimethylene]di (thiosulfate)

Form: Powder

Colour: White to light yellow

Odour: N/A

CAS No.: 29547-00-0

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Monosultap	29547-00-0	95.0
Other ingredients	--	5.0

3. Hazards Identification

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause



respiratory irritation. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4. First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides (NO_x), Sodium oxides, Sulphur oxides

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling And Storage

Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.



Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

Control parameters: Components with workplace control parameters.

Exposure controls: Appropriate engineering controls.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure.

Do not let product enter drains.

9. Physical and Chemical Properties

Appearance: White to light yellow powder

Content of NaCl: $\leq 5.0\%$

Content of $\text{Na}_2\text{S}_2\text{O}_3$: $\leq 1.5\%$

Loss on heating: $\leq 2.0\%$



PH: 4.0-5.5

10. Stability and Reactivity

Chemical stability

Stable under recommended storage conditions.

Incompatible materials

Strong oxidizing agents

11. Toxicological Information

Acute oral LD50 for rat: 333 mg/kg.

Acute dermal LD50 for rat: >1000 mg/kg.

Acute inhalation LC50 (4 h) for rat: Not applicable.

Skin irritation: Non - irritating to skin (rabbits).

Eye irritation: Non - irritating to eyes (rabbits).

Skin Sensitization: Not a skin sensitiser (guinea pigs).

12. Ecological And Ecotoxicological Information

Effect on birds: moderate toxicity to birds, acute oral LD₅₀ for Bobwhite quail is 27.8-33.2 mg/kg.

Effect on fish: moderate toxicity to fish, acute 96 hour LC₅₀ for Rainbow trout is 9.2 mg/L.

Effect on aquatic invertebrates: moderate toxicity to aquatic invertebrates, acute 48 hour EC₅₀ for Daphnia magna is 70.22 mg/L.

Effect on honeybees: moderate toxicity to honeybees, oral acute 48 hour LD₅₀ is >38.187 µg/bee.

13. Disposal Considerations

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

14. Transport Information



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Not applicable.

15. Regulatory Information

Not applicable.

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.