

**** MATERIAL SAFETY DATA SHEET ****

Sodium Metaphosphate
 21260

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Sodium Metaphosphate
 Catalog Numbers: S333 500, S333-500, S333500
 Synonyms: Metaphosphoric acid hexasodium salt
 Company Identification: Fisher Scientific
 1 Reagent Lane
 Fairlawn, NJ 07410
 For information, call: 201-796-7100
 Emergency Number: 201-796-7100
 For CHEMTREC assistance, call: 800-424-9300
 For INTERNATIONAL CHEMTREC assistance, call: 703-527-3887

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
10124-56-8	Sodium Metaphosphate	app.100	233-343-1

Hazard Symbols: F

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: colorless to white.
 Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation.
 Target Organs: None.

Potential Health Effects

Eye: May cause eye irritation.
 Skin: May cause skin irritation.
 Ingestion: May cause irritation of the digestive tract.
 Inhalation: May cause respiratory tract irritation.
 Chronic: No information found.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.
 Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
 Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
 Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
 Notes to Physician: Treat symptomatically and supportively.
 Antidote: None reported.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
 Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.
 Autoignition Temperature: Not applicable.
 Flash Point: Not applicable.
 NFPA Rating: Not published.
 Explosion Limits, Lower: Not available.
 Upper: Not available.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

**** SECTION 7 - HANDLING and STORAGE ****

Handling: Wash hands before eating. Use with adequate ventilation. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Chemical Name	Exposure Limits		
	ACGIH	NIOSH	OSHA - Final PELs
Sodium Metaphosphate	none listed	none listed	none listed

OSHA Vacated PELs:
 Sodium Metaphosphate:
 No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
 Skin: Wear appropriate gloves to prevent skin exposure.
 Clothing: Wear appropriate protective clothing to minimize contact with skin.
 Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid
 Appearance: colorless to white
 Odor: Odorless.
 pH: 6.0-7.7 solution.
 Vapor Pressure: Not applicable.
 Vapor Density: Not available.
 Evaporation Rate: Not applicable.
 Viscosity: Not applicable.
 Boiling Point: Not applicable.
 Freezing/Melting Point: 1184 deg F
 Decomposition Temperature: Not available.
 Solubility: Soluble in water.
 Specific Gravity/Density: 2.181
 Molecular Formula: Na6P6O18
 Molecular Weight: 611.7708

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability: Stable under normal temperatures and pressures.
 Conditions to Avoid: None reported.
 Incompatibilities with Other Materials: No data available.
 Hazardous Decomposition Products: Oxides of phosphorus, toxic fumes of sodium oxide.
 Hazardous Polymerization: Has not been reported.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:
 CAS# 10124-56-8: OY3675000
 LD50/LC50:
 CAS# 10124-56-8: Oral, mouse: LD50 = 4320 mg/kg; Oral, rat: LD50 = 6200 mg/kg.
 Carcinogenicity: Sodium Metaphosphate - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
 Epidemiology:

No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Neurotoxicity: No data available.
Mutagenicity: No data available.
Other Studies: No data available.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity: Not available.
Environmental Fate: Not available.
Physical/Chemical: Not available.
Other: Not available.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: Not listed.
RCRA D-Series Chronic Toxicity Reference Levels: Not listed.
RCRA F-Series: Not listed.
RCRA P-Series: Not listed.
RCRA U-Series: Not listed.
Not listed as a material banned from land disposal according to RCRA.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT: No information available.
IMO: No information available.
IATA: No information available.
RID/ADR: No information available.
Canadian TDG: No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

FEDERAL
TSCA
CAS# 10124-56-8 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA
Section 302 (RQ)
final RQ = 5000 pounds (2270 kg) (Listed under 'Sodium phosphate,
Section 302 (TPQ)
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 10124-56-8: acute.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depleters.
This material does not contain any Class 2 Ozone depleters.
Clean Water Act:
CAS# 10124-56-8 is listed as a Hazardous Substance under the CWA.
None of the chemicals in this product are listed as Priority
Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants
under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous
by OSHA.
STATE
Sodium Metaphosphate can be found on the following state right to
know lists: California, New Jersey, Pennsylvania, Massachusetts.
California No Significant Risk Level:
None of the chemicals in this product are listed.
INTERNATIONAL
European Labeling in Accordance with EC Directives
Hazard Symbols: F

Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.
S 43 In case of fire, use ... (indicate in the space
the precise type of fire-fighting equipment. If water
increases the risk, add - never use water).
S 7/8 Keep container tightly closed and dry.

Canada
CAS# 10124-56-8 is listed on Canada's DSL/NDSL List.
CAS# 10124-56-8 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits:

**** SECTION 16 - ADDITIONAL INFORMATION ****

Additional Information:
No additional information available.
MSDS Creation Date: 11/14/1995 Revision #4 Date: 9/02/1997

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.