

Mallinckrodt

Material Safety Data

Emergency Phone Number: 314-982-5000

Mallinckrodt provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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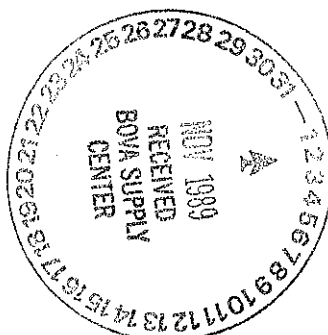
Mallinckrodt, Inc., Science Products Division, P.O. Box M, Paris, KY 40361.

Addendum to Material Safety Data Sheet

REGULATORY STATUS

This Addendum Must Not Be
Detached from the MSDS
Identifies SARA 313 substance(s)
Any copying or redistribution of the MSDS
must include a copy of this addendum
(Chem.Key: SLVOX)

Hazard Categories for SARA
Section 311/312 Reporting
Acute Chronic Fire Pressure Reactive
X X



Product or Components
of Product:

SILVER OXIDE PURIFIED (20667-12-3)

SARA EHS Sect. 302 RO (lbs.)	TPQ (lbs.)	SARA Section 313 Chemicals Name List	Chemical Category	CERCLA Sec.103 RO (lbs.)	RCRA Sec. 261.33
No	No	No	Silver compound	No	No

010705

SARA Section 302 EHS RO: Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ: Threshold Planning Quantity of Extremely Hazardous Substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals: Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103: Comprehensive Environmental Response, Compensation and Liability Act (Superfund). Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RO) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA: Resource Conservation and Reclamation Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

Effective Date: 02-17-86

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PRODUCT IDENTIFICATION:

Synonyms: Argentioxide; silver peroxide; disilver oxide
Formula CAS No.: 20667-12-3
Molecular Weight: 231.74
Chemical Formula: Ag₂O
Hazardous Ingredients: Not applicable.

PRECAUTIONARY MEASURES

DANGER: OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. HARMFUL IF SWALLOWED. CAUSES IRRITATION TO SKIN, EYES, RESPIRATORY TRACT AND MUCOUS MEMBRANES.
Avoid breathing dust.
Keep container closed.
Avoid contact with eyes, skin and clothing.
Use with adequate ventilation.
Wash thoroughly after handling.
Avoid contact of silver oxide with organic materials and their vapors, strong ammonia and alkalis.

EMERGENCY/FIRST AID

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. In all cases call a physician.
SEE SECTION 5.

DOT Hazard Class: Not Regulated

SECTION 1 Physical Data

Appearance: Heavy dark, brownish-black powder.
Odor: Odorless.
Solubility: 0.0017 gm/100 ml water @ 20°C (68°F)
Boiling Point: Not applicable.
Melting Point: Decomposes above 300°C (572°F)
Density: 7.22
Vapor Density (Air=1): No information found.
Vapor Pressure (mm Hg): No information found.
Evaporation Rate: No information found.

SECTION 2 Fire and Explosion Information

Fire:
Fire hazard when in contact with organic materials or ammonia.
Explosion:
Explosion hazard when in contact with ammonia.
Fire Extinguishing Media:
Water spray, dry chemical, alcohol foam, or carbon dioxide.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

SECTION 3 Reactivity Data

Stability:
Strong oxidizing agent. The dry solid is stable @ 100°C (212°F) for 18 hours.

Hazardous Decomposition Products:

Converts to silver and oxygen when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Copper oxide, ammonia, hydrogen sulfide, magnesium, antimony sulfide, mercury sulfide, nitroalkanes, organic materials and their vapors, reducing agents, and many other substances. Please refer to the NFPA publication "Fire Protection Guide on Hazardous Materials" most recent edition for details.

SECTION 4 Leak/Spill Disposal Information

Isolate or enclose the area of the leak or spill. Clean-up personnel require protective clothing and respiratory protection from dust. Sweep or scoop up and place in a suitable container for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Whatever cannot be saved for reclamation may be delivered to a RCRA approved waste disposal facility or may be sent to a licensed silver recovery firm or back to the supplier.

Ensure compliance with local, state and federal regulations.

Effective Date: 02-17-86

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