



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 998  
Effective Date May 6, 1999

## SECTION V HEALTH HAZARD DATA

SS 998

### Threshold Limited Value

None established by ACGIH 1992-93.

### Effects of Overexposure

**INHALATION:** May cause nasal and respiratory irritation. **INGESTION:** Large oral doses may exert osmotic effect which tends to induce vomiting and diarrhea. May irritate skin and eyes. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give water to drink, **induce vomiting** and call physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

|           |          |   |                     |                                 |
|-----------|----------|---|---------------------|---------------------------------|
| Stability | Unstable |   | Conditions to Avoid | Excessive temperature and heat. |
|           | Stable   | X |                     |                                 |

|                                      |        |
|--------------------------------------|--------|
| Incompatibility (Materials to Avoid) | Acids. |
|--------------------------------------|--------|

|                                  |   |
|----------------------------------|---|
| Hazardous Decomposition Products | Thermal decomposition may release combustible strontium oxide and toxic oxides of carbon. |
|----------------------------------|---|

|                          |                |                     |                 |
|--------------------------|----------------|---------------------|-----------------|
| Hazardous Polymerization |                | Conditions to Avoid | Not applicable. |
| May Occur                | Will Not Occur |                     |                 |
|                          | X              |                     |                 |

## SECTION VII SPILL OR LEAK PROCEDURES

|   |  |
|---|--|
| Steps to be taken in case material is released or spilled | Reclaim as much as possible. Sweep up and place in a suitable container for disposal. Wash spill area with soap and water. |
|---|--|

|                       |  |
|-----------------------|--|
| Waste Disposal Method | Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Dispose of in an approved chemical landfill or contract with a licensed waste disposal service. |
|-----------------------|--|

## SECTION VIII SPECIAL PROTECTION INFORMATION

|                                       |   |              |                |                          |
|---------------------------------------|---|--------------|----------------|--------------------------|
| Respiration Protection (Specify Type) | None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust respirator. |              |                |                          |
| Ventilation                           | Local Exhaust   | Recommended. | Special        | No.                      |
|                                       | Mechanical (General)  | Recommended. | Other          | No.                      |
| Protective Gloves                     | Rubber.   |              | Eye Protection | Chemical safety glasses. |
| Other Protective Equipment            | Goggles, smock, apron, gloves, ventilation hood, eye wash station.  |              |                |                          |

## SECTION IX SPECIAL PRECAUTIONS

|  |   |
|--|---|
| Precautions to be Taken in Handling & Storing  | Store in a cool, dry place. Wash thoroughly after handling. |
| Keep container tightly closed when not in use. |   |

|  |   |
|--|---|
| Other Precautions                      | Read label on container before using. Do not wear contact lenses when working with chemicals. |
| Do not breathe dust.                   |   |
| Remove and wash contaminated clothing. |   |

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

|                |             |                          |                             |    |
|----------------|-------------|--------------------------|-----------------------------|----|
| Revision No. 2 | Date 5/6/99 | Approved Michael Raszeja | Chemical Safety Coordinator | MR |
|----------------|-------------|--------------------------|-----------------------------|----|

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

|                   |                     |
|-------------------|---------------------|
| Product           | STRONTIUM CARBONATE |
| Chemical Synonyms | Strontianite        |
| Formula           | SrCO <sub>3</sub>   |
| Unit Size         | up to 2.5 Kg.       |
| C.A.S. No.        | 1633-05-2           |

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

|            |   |
|------------|---|
| Health     | 1 |
| Fire       | 0 |
| Reactivity | 0 |

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

| Principal Component(s)   | %    | TLV Units         |
|--|------|-------------------|
| Strontium Carbonate  | 100% | None established. |
| CAUTION! CAUSES IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES. |      |                   |

## SECTION III PHYSICAL DATA

|                        |   |   |     |
|------------------------|---|---|-----|
| Melting Point (°F)     | 1100°C (2012°F) Decomposes.             | Specific Gravity (H <sub>2</sub> O = 1) | 3.5 |
| Boiling Point (°F)     | Data not listed.                        | Percent Volatile by Volume (%)          | N/A |
| Vapor Pressure (mm Hg) | Data not listed.                        | Evaporation Rate (≈1)                   | N/A |
| Vapor Density (Air=1)  | Data not listed.                        |   |     |
| Solubility in Water    | 0.11% @ 18°C (64°F).                    |   |     |
| Appearance & Odor      | Gray-white powder or granules; no odor. |   |     |

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

|                           |  |                                     |     |       |       |
|---------------------------|--|-------------------------------------|-----|-------|-------|
| Flash Point (Method Used) | Non-flammable.   | Flammable Limits in Air % by Volume | N/A | Lower | Upper |
| Extinguisher Media        | Use any media suitable for extinguishing surrounding fire. |                                     |     |       |       |

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Negligible fire hazard when exposed to heat or flame. Move container from fire area if possible. Avoid breathing vapors or dust. Keep upwind.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20