Material Safety Data Sheet

IDENTITY (As Used on Label and List)
STRONTIUM CARBONATE  CAS #1633-05-2

Section I

Manufacturers Name
BARIUM & CHEMICALS, INC.

Emergency Telephone Number
740 282 9776

Address (Number, Street, City, State, and ZIP Code)
P.O. BOX 218 / COUNTY ROAD 44

Telephone Number for Information
740 282 9776

STEUBENVILLE OHIO 43952

Data Prepared
6/25/01

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))  CSHA PEL  ACGIH TLV  Other Limits Recommended  % (optional)
STRONTIUM CARBONATE  99%
BARIUM CARBONATE  1%

Section III — Physical/Chemical Characteristics

Boiling Point
Loses CO2 @  1.35°C

Specific Gravity (H2O = 1)  3.70

Vapor Pressure (mm Hg.)  Negligible

Melting Point  Decomposes to SrO @ ca 1100°C

Vapor Density (AIR = 1)  N/A

Evaporation Rate (Butyl Acetate = 1)  N/A

Solubility in Water  Insoluble

Appearance and Odor
White to light tan odorless powder or granules

Section IV — Fire and Explosion Hazard Data

Flammable Limits  Non-flammable
LEL  N/A  UEL  N/A

Extinguishing Media
N/A Non-flammable

Special Fire Fighting Procedures
None

Unusual Fire and Explosion Hazards
None
Strontium Oxide and Carbon Dioxide

Acids will decompose Strontium Carbonate to other Strontium salts with liberation of Carbon Dioxide. The reaction may be violent.

Section VII - Pracautions for Safe Handling and Use
Steps to Be Taken in Case Material is Released or Spilled
Waste containing more than 0.2% soluble Barium is hazardous. This material may contain more 0.2% soluble Barium if the pH is low. It can be rendered non-hazardous by mixing with any Sulfate to form insoluble Barium Sulfate. Observe all federal, state and local laws.

Waste Disposal Method
Try to keep material dry and away from acid. Sweep or scoop up spilled material. Remove to licensed landfill. Empty bags can be incinerated.

Precautions to Be Taken in Handling and Storing
Recover wet or dry. Relatively non-toxic. No acids in storage area.

Other Precautions
Reaction with acid can release large quantities of Carbon Dioxide which could lead to suffocation in a confined area. Use adequate ventilation.

Section VIII - Control Measures
Respiratory Protection (Specify Type)
Use OSHA-approved toxic dust respirator.

Ventilation
Local Exhaust
Provide sufficient ventilation to remove dust.
Mechanical (General)

Protective Gloves
General purpose
Eye Protection
Chemical safety goggles

Other Protective Clothing or Equipment
General full cover work clothes

Work-Hygienic Practices
No smoking or eating in work area. Wash hands well before eating or smoking.