

F017

MSDS Number: B1021 * * * * * Effective Date: 11/16/06

MSDS Material Safety Data Sheet

From: Mallinckrodt Inc.
675 McDonnell Blvd.
St. Louis, MO 63042

MALLINCKRODT

24 Hour Emergency Telephone: 314-654-1600
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

ANATRST

Cart. No. 6250

Qty: 3

UDC 0224-0326-12

1. Product Identification

Synonyms: Barium Sulfate 55% w/w Paste

CAS No.: 7727-43-7

Molecular Weight: 233.39

Chemical Formula: BaSO₄

Product Codes: 151118

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Barium Sulfate	7727-43-7	56.3%	Yes
Water	7732-18-5	14.9%	No
Inactive ingredients	N/A	28.8%	No
Inactive ingredients: Sorbitol, Suspending and dispersing agents, Simethicone, Flavoring, Preservatives			

3. Hazards Identification

Emergency Overview

CAUTION! ASPIRATION MAY CAUSE LUNG DAMAGE. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Potential Health Effects

Inhalation:

Not expected to be a health hazard.

Ingestion:

Aspiration into the lungs may occur during swallowing or vomiting, resulting in lung damage. The most frequently reported side effects from therapeutic doses are gastrointestinal effects including constipation, cramping, nausea and diarrhea.

Skin Contact:

May cause irritation. May cause allergic skin reactions.

Eye Contact:

May cause eye irritation.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

Respiratory system disease, gastrointestinal disorders.

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

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.

6. Accidental Release Measures

Absorb liquid spills with a dry absorbent. Scoop into an appropriate container for disposal in an approved waste facility.

7. Handling and Storage

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatibilities. Store at controlled room temperature 15-30C (59-86F).

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

For Barium sulfate: -OSHA Permissible Exposure Limit (PEL):

15 mg/m³ total dust, 5 mg/m³ respirable dust

-ACGIH Threshold Limit Value (TLV):

10 mg/m³ (TWA)

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

White to off-white paste

Odor:

Mild, fruity odor.

Solubility:

Insoluble in water.

Specific Gravity:

No information found.

pH:

5% in water is neutral to litmus.

% Volatiles by volume @ 21C (70F):

No information found.

Boiling Point:

No information found.

Melting Point:

No information found.

Vapor Density (Air=1):

No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Burning may produce sulfur oxides.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Aluminum, phosphorus.

Conditions to Avoid:

Heat. Freezing.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

-----\Cancer Lists\-----			
Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Barium Sulfate (7727-43-7)	No	No	None
Water (7732-18-5)	No	No	None
Inactive ingredients	No	No	None

12. Ecological Information

Environmental Fate:

This material may bioaccumulate to some extent.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
Barium Sulfate (7727-43-7)	Yes	Yes	Yes	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes
Inactive ingredients	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
Ingredient	Korea	--Canada--		Phil.
		DSL	NDSL	
Barium Sulfate (7727-43-7)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes
Inactive ingredients	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
Ingredient	-SARA 302-		-----SARA 313-----	
	RQ	TPQ	List	Chemical Catg.
Barium Sulfate (7727-43-7)	No	No	No	No
Water (7732-18-5)	No	No	No	No
Inactive ingredients	No	No	No	No

-----\Federal, State & International Regulations - Part 2\-----			
Ingredient	CERCLA	-RCRA-	-TSCA-
		261.33	8 (d)
Barium Sulfate (7727-43-7)	No	No	No
Water (7732-18-5)	No	No	No
Inactive ingredients	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
 SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No
 Reactivity: No (Mixture / Solid)

Australian Hazchem Code: None allocated.

Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 0 Flammability: 0 Reactivity: 0

Label Hazard Warning:

CAUTION! ASPIRATION MAY CAUSE LUNG DAMAGE. As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

Keep container closed.

Do not get in eyes, on skin, or on clothing.

Wash thoroughly after handling.

Label First Aid:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. 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 eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops or persists.

Product Use:

Contrast media.

Revision Information:

New MSDS.

Disclaimer:

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