



Expect Service

Radiation Products Design Inc

INSTRUCTIONS

RPD INFORMATION

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RPD PRODUCT INFORMATION

Item Number	Description
489-050	Super Stuff Bolus, (Qty 50 1oz. pkgs)
489-100	Super Stuff Bolus, (10lbs - Bulk Pack)
489-060	Clear Plastic Container (20oz.)

INTRODUCTION

Super Stuff Bolus Material has a density of 1.02g/cm^3 . Each ounce of powder is packaged in a plastic bag with a black water fill line indicated on the bag. After mixing, Super Stuff takes on the consistency of dough. Wrap with plastic wrap and shape to fit the patient. Shelf Life (unopened container) is two years.

MIXING DIRECTIONS

Mixing Ratio:

1g Powder to 10ml Distilled or Purified Water at Room Temperature ($\sim 70^\circ\text{F}/21^\circ\text{C}$)

1 Packet (489-050) contains 28-30g of Bolus Powder

Mixing Instructions for Powder

1. Measure desired amount of powder into your mixing container
2. Measure distilled or purified water (10ml to 1g of powder)
3. Let water acclimate to room temperature ($\sim 70^\circ\text{F}/21^\circ\text{C}$)
4. Pour about half of the distilled or purified water into your mixing container and immediately start stirring to prevent clumping
5. Add remaining water as you continue to stir while scraping the bottom and sides of the container to help prevent clumping
6. After about 5 minutes of stirring, the bolus should be at the right consistency for use
7. Place remaining unused bolus in a sealed container or bag

Mixing Instructions for 1.oz Pack Bag

1. Measure 300ml distilled or purified water
2. Let water acclimate to room temperature ($\sim 70^\circ\text{F}/21^\circ\text{C}$)
3. Pour all of the distilled or purified water into the packet
4. Shake the mixture in the bag
5. Knead the bag to make sure all the granules of powder are dissolved
6. Be sure to eliminate all clumps during mixing process
7. After about 5 minutes of shaking and kneading, the bolus should be at the right consistency for use
8. Place remaining unused bolus in a sealed container or bag

Note: The use of room temperature water is important for achieving the correct bolus consistency

TROUBLESHOOTING

The resin separated during mixing

- A. The water was too cold for the powder to dissolve properly
- B. The water was too hot for the powder and resulted in destruction of the resin

The bolus is not thick enough for use

- A. The water was too cold for the bolus powder to dissolve properly
- B. The bolus needs more time to react

The bolus is too clumpy:

- A. The water was too warm and it accelerated the thickening reaction before the powder was dissolved completely
- B. The bolus was not mixed immediately after adding the water
- C. The bolus was not mixed thoroughly for 5 minutes
- D. Bolus powder accumulated in the sides or bottom of the mixing container and were not mixed in properly

CAUTION FOR BOLUS POWDER

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

WARNINGS FOR BOLUS POWDER

Causes serious eye irritation

Suspected of damaging fertility or the unborn child IF INGESTED

Do not handle until all safety precautions have been read and understood.

Wash hands thoroughly after handling.

Wear eye protection

IF IN EYES: Rinse eyes cautiously for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned, get medical advice/attention

Dispose of contents/container to in accordance with federal regulation. Wear protective clothing. Keep out of reach of children in powder form.

STORAGE: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

DISPOSAL: Dispose of contents/container in accordance with federal regulations.

IN CASE OF FIRE: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

IN CASE OF SPILL: Use proper protective equipment as indicated on SDS. Do not let this chemical enter the environment. Avoid generating dusty conditions.

FIRST AID:

INHALATION: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.

SKIN CONTACT: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

EYE CONTACT: Flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

INGESTION: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2–4 cupfuls of milk or water.

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