



Technical Information

What is ThermaFreeze™?

The 21st Century answer to 70-year old gel pack technology

- Pads or Blankets
- Box Liners or Payload Wraps
- Non-Toxic Materials
- More efficient than gel packs
 - Same weight stays frozen 25% longer
 - Distributes cold more evenly
 - Efficiency = less used for same tasks

ThermaFreeze™ Advantages

- Wide range of pad sizes available from 6 ounce to 24 ounce and larger
- Flexible when frozen
- Distributes cold evenly
- Protects against heat intrusion
- Water does NOT leak from pads
- Water "Sublimes" to atmosphere over 10 days
- Remains cool to touch, even when thawed
- FDA Compliant

TECHNICAL ATTRIBUTES

	Wet Ice	Dry Ice	Gel Packs	ThermaFreeze™
Hazardous or Toxic Materials?	No	Yes	No	No
Significant Advance in Shipping Technology	No	No	No	Yes
25% Longer Frozen Times Under Same Conditions?	No	No	No	Yes

HANDLING ATTRIBUTES

	Wet Ice	Dry Ice	Gel Packs	ThermaFreeze™
Flexible When Frozen?	No	No	No	Yes
Easy to Handle, Freeze and Use?	No	No	Yes	Yes
Dry to the Touch When Thawed?	No	No	No	Yes
Liquid Mess When Thawed?	Yes	No	No	No
Efficient Outbound	No	No	No	Yes

ECONOMIC ATTRIBUTES

	Wet Ice	Dry Ice	Gel Packs	ThermaFreeze™
Inbound No of Cases for 563 Lbs. Refrigerant Weight?	N/A	N/A	18	1
Gross Inbound Weight for 563 Usable Pounds?	563	563	563	23
Inbound Freight Cost (\$0.80/Lb. – 563 Pounds)	N/A	N/A	\$450	\$20
Reduce Dedicated Cold Storage Space?	No	No	No	Yes
Easily Adaptable to Shipping System Design?	No	No	No	Yes

**Common Denominators Used - Refrigerant Weight 563 Lbs*

ThermaFreeze™ product is recyclable

