

Process Considerations for Cryogenic Shipping

Craig Vermeyen

Senior Manager, Packaging Engineering



Overview

- Kite's Supply Chain
- Liquid Nitrogen (LN2) Safety
- Label Adhesion
- Primary Container Integrity
- Supply Chain Partners

Common Applications of LN2

...according to Hollywood

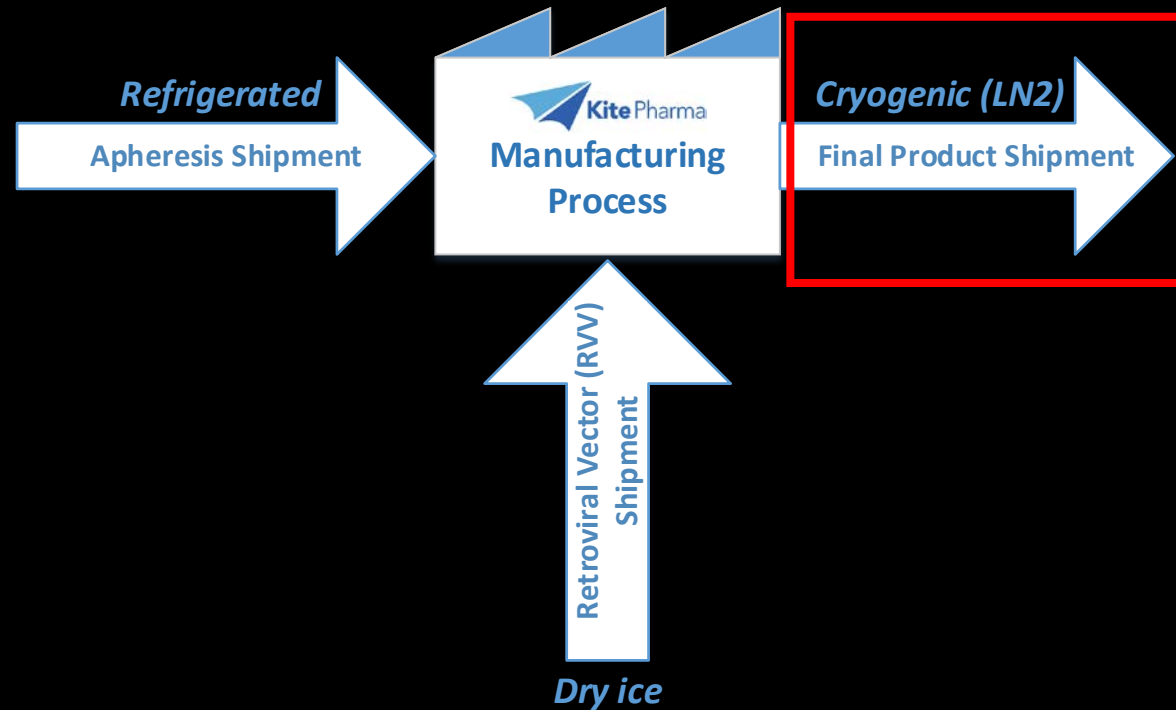


Jurassic Park



Terminator 2

Kite's Supply Chain



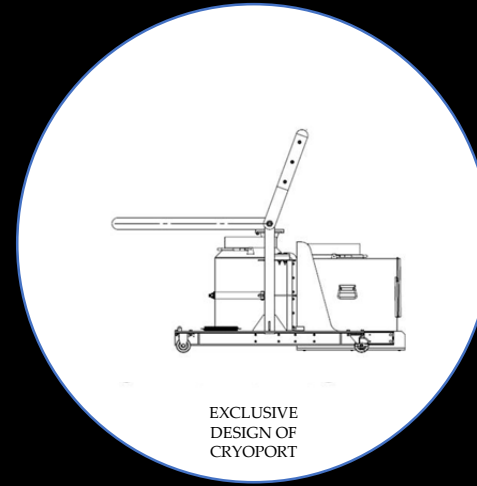
LN2 Safety



PPE

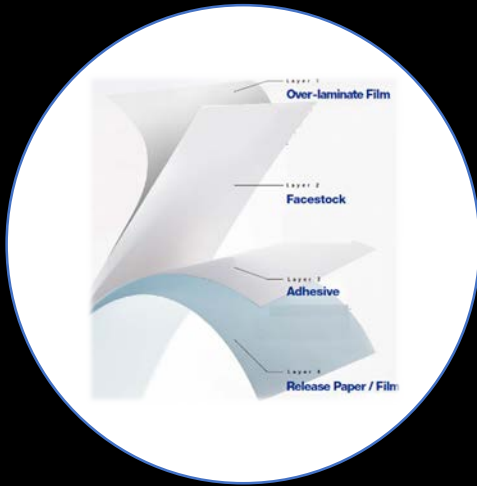


Dry Vapor
Shippers



Charging
Process

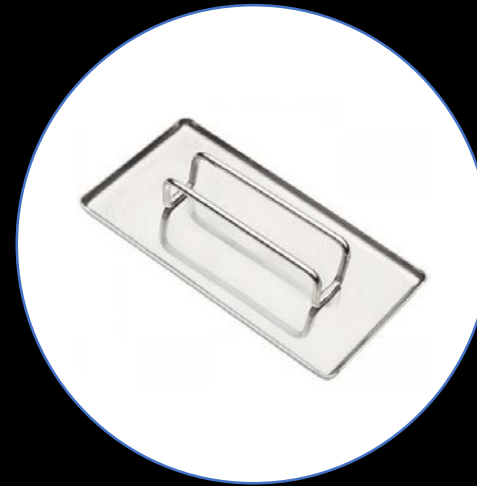
Label Adhesion



Materials

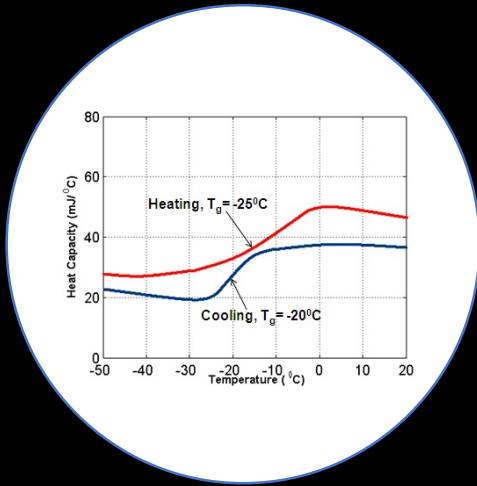


Adhesion
Qualification



Label
Application

Primary Container Integrity



Materials



Shock and
Vibration
Testing



Handling

Supply Chain Partners



Relationships



Training



Quality
Agreement

Conclusion

Cryogenic shipping presents some unique challenges:

- Liquid nitrogen can be dangerous if not correctly controlled
- Labels may have adhesion issues if not sufficiently designed and tested
- Packaging may fail if not sufficiently designed and tested
- Logistics may break down if not closely monitored

ANY
QUESTIONS
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