Decon Force 100 - if product freezes:

What freezing can do (and why it matters):

1) Part B (hydrogen peroxide component): It can freeze around ~26°F / -3°C; guidance is to allow it to thaw if that happens. Also, peroxide strength is most impacted by excess heat, which can decrease activity.
2) Part A (surfactant/foam component): Cold storage can cause solids/settling in the bottom. Guidance is that the solids will re-dissolve after warming and shaking, and even if you need to use them immediately the solids will dissolve when mixed with Part B.
3) General storage guidance (for the combined product) allows a broad range, with an "optimum" storage window.

Recommended protocol if it freezes

1) Quarantine the kit

- Don't mix/use until both parts are fully thawed and look normal.

2) Thaw correctly (no aggressive heating)

- Move containers to a room above ~72°F / 22°C and let them equalize.
- Do not heat Part B above about 122°F / 50°C (heat reduces peroxide activity).

3) Restore uniformity

- Part A: If you see solids at the bottom, vigorously shake until dissolved.
- Part B: After thawed, gently invert/roll to ensure its uniform (avoid violent shaking that could create pressure/foaming).

4) If immediate use is required and Part A still shows solids

- Combine Part A completely with Part B in an independent container and mix thoroughly; according to the provided guidance, any residual solids will dissolve into a homogeneous, usable liquid during mixing.

5) Quick "field checks" before use - Use the batch if it passes these:

- Both parts are fully liquid (no ice).
- No persistent separation after mixing/shaking.
- No unusual container deformation/leaks.
- Mixed solutions behave normally for your application (e.g., expected foaming/wetting).

6) When to reject / replace

- If Part B was exposed to high heat (hot truck, near heaters) or you suspect repeated freeze/thaw cycles and performance seems off, replace—because peroxide activity can drop with adverse storage.

7) Storage best practices going forward

- Aim for "room temp" storage; the SDS lists an optimum storage range of roughly 50–119°F (10–48°C).