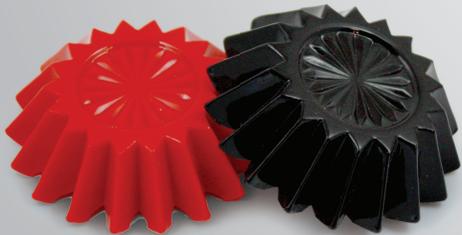


# STORING LIQUID TOOLING MATERIALS



Follow these guidelines to ensure long life and high quality from your polyurethanes, epoxy casting resins, and other liquid materials used for parts, patterns, tools, and molds.



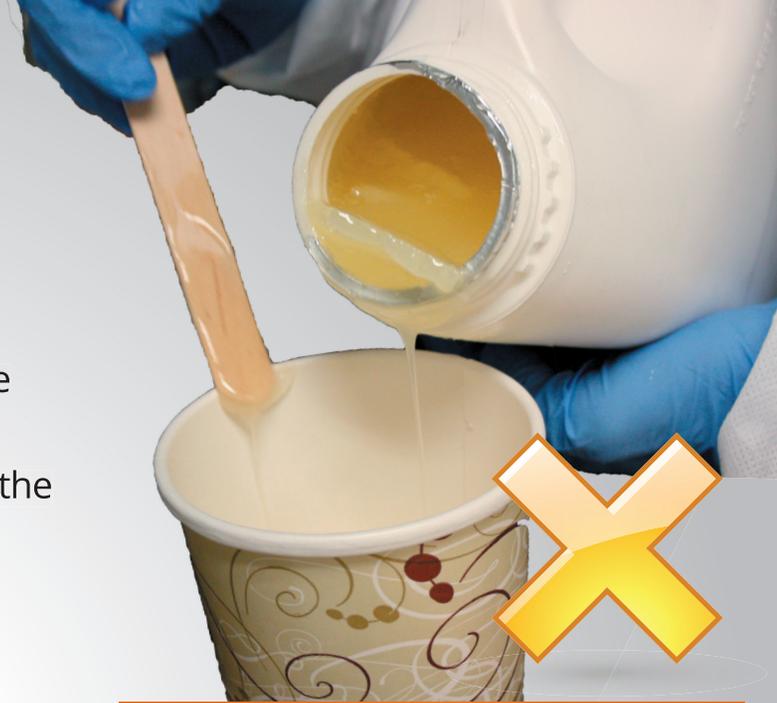
## COLD WEATHER STORAGE

Have you considered the storage conditions of your polyurethane and epoxy casting resins during the winter months?

It is always recommended to store and use resins at room temperature, about 77°F. These materials may start to crystallize if exposed to colder temperatures.

Crystallization is a natural process where solids start to separate from liquids, making the material appear chunky. This will increase viscosity, gel time, and cure time.

If you suspect your resin has started to crystallize due to the cold weather, have no worries! It can be reversed by heating the material. See instructions to the right.



### HOW TO REVERSE CRYSTALLIZATION

1. Crack container lids to avoid gas build up.
2. Place in shop oven and heat resin to 140°F for 3 - 4 hours.
3. Remove from oven and let cool to room temperature.
4. Mix well before casting.

 **Please note:** This process does NOT work for materials that have crystallized due to moisture contamination.

TDS, SDS, and Specification Tables are available on our website, [www.FreemanSupply.com](http://www.FreemanSupply.com)!

Our Tech Team is available to help! Call (800) 321-8511 opt. 5 (M-F, 8-5 EST) or email us at [tech@freemansupply.com](mailto:tech@freemansupply.com)



FREEMAN MANUFACTURING & SUPPLY COMPANY  
[www.FreemanSupply.com](http://www.FreemanSupply.com)

# STORAGE CONDITIONS CHECKLIST

# SHELF LIFE 101

Follow these guidelines to ensure long life and high quality from liquid tooling materials.



The “shelf life” of a liquid material refers to sealed unused items. Once these materials are opened, they are subject to moisture contamination and the shelf life is reduced.

## PROTECT POLYURETHANES WITH FREEMAN 302!

Freeman 302 is an inert gas used to preserve and prolong the usable life of moisture-sensitive polyurethanes.

Before resealing your containers, spray a short burst in the open container and seal immediately. Repeat after every use.



**Store in a dry place, away from heat, sparks and open flame**



**Store sealed in the original container**



**Store at temperatures between 35.6°F and 104°F**



**Do not expose to direct sunlight**

**Contact us for information about the shelf life of your specific product!**

Our Customer Service department and Tech Team can look up this information for you right away!

Contact our Tech Team: (800) 321-8511 option 5 (Monday-Friday, 8 a.m.-5 p.m. EST) or [tech@freemansupply.com](mailto:tech@freemansupply.com)