

# DECONGEL

## Product Data Sheet DeconGel™ 1120/1121 Spray

### Product Description

A one component, water-based, sprayable, broad application, and peelable decontamination hydrogel.

### Recommended Uses

DeconGel™ 1120/1121 is recommended for decontamination of radioisotopes as well as particulates, heavy metals, water-soluble and insoluble organic compounds (including tritiated compounds). The hydrogel coating can be applied to horizontal, vertical and inverted surfaces and can be applied to most surfaces including bare, coated and painted concrete, aluminum, steel, lead, rubber, plexiglass, herculite, wood, porcelain, tile grout, and vinyl, ceramic and linoleum floor tiles. When dry, the product locks the contaminants into a polymer matrix. The film containing the encapsulated contamination can then be peeled and disposed of according to appropriate local, state and federal regulations.



### Advantages of DeconGel™ 1120/1121

### “Apply, Dry, Peel”

- Zero preparation
- Easy application
- Simple decontamination
- High decontamination factors
- User, material/substrate friendly
- Minimal odor
- Penetrates and removes contamination from cracks, pores and voids
- Dries into tough film that is easy to peel and dispose
- Minimizes contaminated waste material



## Safety Recommendations

DeconGel™ 1120/1121 is safe when used as recommended. Respirators are not required under normal use conditions in well ventilated areas. Please review the product Material Safety Data Sheet for detailed safety information.

## Application Procedure

### For 1120:

We recommend:

- 1) A light duty hand held power sprayer with at least 2600 psi
- 2) A wide angle tip



Please note that DeconGel™ 1120 is ONLY recommended for non-porous (1 – 2 coats) or semi porous materials (3-4 coats) with about 2 hours between coats. Of course the # of coats will need to be individually determined for each substrate. A coat is defined as the wet film thickness that results in a small amount of sag visible after a few minutes.

### For 1121:

We recommend

- 1) An industrial electric airless sprayer with capabilities of 0.95 gallons per minute or faster.
- 2) A spray tip of with orifice of 0.019 inches



**DO NOT DILUTE DECONGEL** for sprayers.

## Drying Time

Drying time depends on a combination of the ambient humidity, temperature, type of substrate and applied wet film thickness. This can take from as little time as an hour for thin coats in a dry environment with plenty of airflow, to overnight or longer if thicker coats are applied in humid environments. Dry times exceeding 24 hours may be required for good peel performance on bare concrete, wood and other highly porous substrates. Applying supplemental heat can speed up the drying time.

It is recommended that first time customers of DeconGel™ learn how long the product will take to dry in their own environment and preferred thickness by first testing a small application on the same type of substrate that will be decontaminated.

- Coating can be used straight from the container without any stirring

- **Simply apply, allow to dry, peel, and dispose** according to applicable local, state and federal regulations.

### Recommended Storage Conditions

Store DeconGel™ 1120/1121 within a temperature range of 40° to 90° F (4° to 32° C). If frozen, DeconGel™ 1120/1121 can be allowed to warm to room temperature and then used as normal.

### Product Characteristics

	1120	1121
Appearance	Blue Liquid	
Applicator	Hand Held Sprayer	Industrial Sprayer
Density	8.35 – 8.65 lbs/gal	
Viscosity**	2,000 – 3,000	3,000 – 7,000 cps
pH	5.0 – 7.0	
Shelf Life	12 months	
Decontamination Percentage	Up to 100%	
Average Coverage	25 to 75 ft <sup>2</sup> per gallon	
Preparation	Ready to use	
Drying time	Depending on humidity, temperature, film thickness, 2 – 24 hours	
Cleaning of pump	Pump rinsed and flushed with water between applications	
Application Best For	Vertical surfaces, difficult to reach areas, large areas for hard, non-porous surfaces	Vertical surfaces, difficult to reach areas, large areas including porous surfaces
# of Coats Needed Per Application	2-4	1-4

\* For Reference Only

\*\* Brookfield, spindle 4, 30 rpm, 25°

### Ordering Information

To order or learn more about DeconGel™ 1101, please contact Cellular Bioengineering Inc., DeconGel™ Division:



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