

DECONGEL™

TM

Product Data Sheet DeconGel™ 1101

Product Description

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

Recommended Uses

DeconGel™ 1101 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™ 1101 “Apply, Dry, Peel”

- Zero preparation
- Easy application
- Simple decontamination
- High decontamination factors
- User, material/substrate friendly
- Minimal odor, respirators not required
- Penetrates and removes contamination from cracks, pores and voids
- Dries into tough film that is easy to peel and dispose
- Minimizes contaminated waste material
- Ability to re-hydrate for forensics
 - Wet Analysis
 - Filtration of particulates

Product Characteristics*

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|------------------------------|-------------------------------------|
| ➤ Appearance | Blue Liquid |
| ➤ Shelf Life | 12 months |
| ➤ Density | 8.45-8.65 lbs/gal |
| ➤ Viscosity** | 10,000 – 20,000 cps |
| ➤ pH | 6.0-7.0 |
| ➤ Thinner | Water |
| ➤ Decontamination Percentage | up to 100% |
| ➤ Average Coverage | 20 to 50 ft ² per gallon |

* For Reference Only

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



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Safety Recommendations

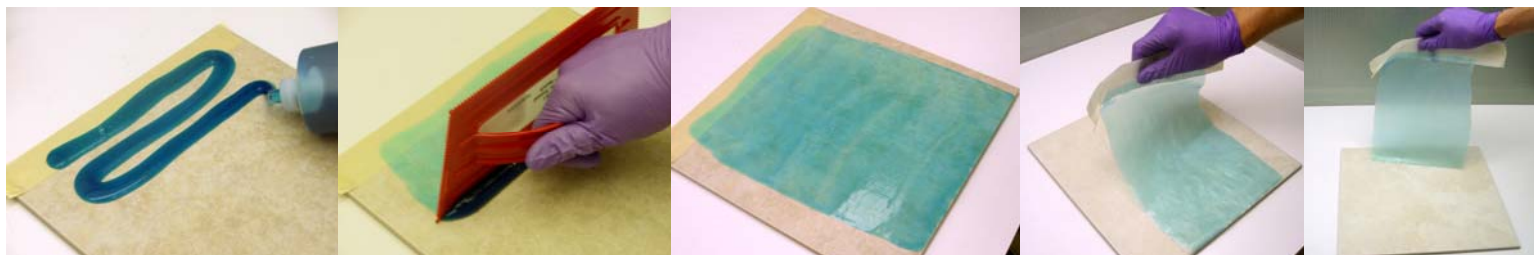
DeconGel™ 1101 is safe when used as recommended. Respirators are not required under normal use conditions in well ventilated areas. Please review the product Material Safety Data Sheet for detailed safety information.

Application Procedure

Coating thickness required for good peel characteristics varies with substrate and generally increases with substrate porosity. Dry time increases with wet film thickness and can vary.

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.



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.

Recommended Storage Conditions

Store DeconGel 1101 within a temperature range of 40° to 90° F (4° to 32° C). If frozen, DeconGel™ 1101 can be allowed to warm to room temperature and then used as normal.

Ordering Information

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



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