



DATA SHEET

# Allonnia 1,4 D-Stroy™ Specifications

Allonnia's 1,4 D-Stroy is a microbial culture containing species of bacteria able to degrade 1,4-dioxane in situ under aerobic conditions in groundwater. The culture is based on naturally occurring bacteria with end products of carbon dioxide and water. 1,4 D-Stroy is an enhanced bioremediation solution for 1,4-dioxane contaminated sites.

**Chemical Composition** Non-hazardous, naturally occurring, non-altered aerobic microbes.

## Properties

Appearance	Orange cell paste
pH	6.0-8.0
Solubility	Soluble in aqueous matrix

## Product Usage

- 1,4 D-Stroy is meant to be used in aqueous aerobic environments. It may be injected into aquifers via injection wells or direct push injection.
- The bacteria may be diluted into aerobic water for short periods (1 day) of time prior to injection.
- Dilution rates should be discussed with Allonnia prior to application.
- Containers should be stored in a refrigerated area out of the sun.
- Product may be stored for up to one month at 4°C temperature.

## Product Delivery and Handling

- The quantity of solution is scalable and can be adjusted according to the workplan.
- Store in a cool, dry place at 4°C.
- Both the container and cooler must be returned to Allonnia.

## Health and Safety

The 1,4 D-Stroy bacteria are considered non-hazardous. The solution containers should be handled with care while following instructions. Avoid contact with eyes or mouth. Personal protective equipment should always be worn while handling materials and in accordance with the safety data sheet.