

Did You Know...

Currently we are only 1 of 3 funeral homes in Ontario that perform this process

This process has been around for over 20 years, used by some medical facilities and universities as a mode of disposition for bodies that have been donated to science

We accept pre-arrangements made at other funeral homes or crematoriums



About Biomation

Also known as Bio-Cremation, Aquamation, Flameless Cremation and technically as Alkaline Hydrolysis

No fossil fuels consumed

No smoke stacks required

A casket is not used in the process, rental casket options are available for those wishing to have a funeral prior to Biomation taking place

All Biomations are completed at our funeral home, your loved one never leaves our care

Remains are returned to the family for burial or scattering

Understanding Biomation



For more info visit
www.biomation.ca

Newcastle Funeral Home

386 Mill St S
Newcastle, ON L1B 1C6

1-877-987-3964 (24 Hours)



About Biomation

What is Biomation?

Biomation, also known technically as Alkaline Hydrolysis, is an accelerated form of the process which takes place when a body is buried in the ground. It is a chemical process that uses a solution of water and potassium hydroxide or sodium hydroxide to reduce a body to components of liquid and bone. Remaining bone fragments are reduced to a substance similar to cremated ashes and are returned to the family for them to keep, bury or scatter.

The End Result

Given enough time, each body is eventually reduced to its basic elements. The primary difference is the amount of time the process takes as well as the "catalyst" that supports the transition. With burial, soil and micro-organisms are the catalysts that reduce the body to bones. With flame-based cremation, the catalysts to reduce the body to bones are flame created by fuel (CH_4 natural gas or C_3H_8 propane gas) mixed with oxygen. With Biomation, the catalysts to reduce the body to bones are water (95%) and potassium hydroxide (5%). The by-product (effluent) from Biomation which is made up of small peptides, sugars, amino acids, and soaps is sent to water recycling through municipal water treatment where it is filtered, purified and released back in to our water system.

Common Misconceptions

Although there are many misconceptions about the Biomation process, the following are the two most common myths about this process:

#1 Acid is used in the Process: This is completely false. There is absolutely no acid used during this process. With Biomation, the only chemical mixed with the water is an alkaline called potassium hydroxide (KOH). The reaction of KOH in water is exothermic, meaning it gives off significant heat which contributes to the hydrolyzing or breakdown of the human tissue.

#2 The Biomation Process Boils the Body: This is also absolutely false. Biomation creates a highly controlled and sophisticated environment that uniquely combines water, alkali and heat. This process biochemically hydrolyzes the human body, leaving only bone fragments. During a typical Biomation cycle, the body is reduced, bone fragments are rinsed and reduced to a powder consistency.