

# MATERIAL SAFETY

## Data Sheet (MSDS)

---

### Material Makeup

Material is a mixture of primarily blank newspaper and corrugated in a proprietary ratio. All materials are 100% recycled and are primarily post-industrial, however they come from different sources so the exact composition of each item is unknown.

### Chemical Additives

- Drainage and retention aid
  - Enhances water drainage and retention of fine fibers
- Dry strength additive
  - Increase strength of the dry products
- Sizing agent
  - Imparts water resistance to dry products. This does not make them waterproof
- Biocide
  - Kills germs and bacteria in pulp
  - This is not an insecticide and is rendered harmless during production process

*Note: Exact Chemical additives are proprietary and will not be revealed.*

### Material Specifications

- Density: 0.0122 lb/in<sup>3</sup>
- Tensile Strength: 150 psi
- Yield Strength: 1339.77 psi
- Burst Strength: 175 psi
- Specific Heat: 0.478 Btu/(lb F°)
- Water Holdout: 3+ hours at 70-100 F°

*Note: All values determined through experimentation and testing by HMP. Due to natural inconsistencies in material and variances in product design, values should be understood to be approximate and should not be relied upon for critical measures.*

