

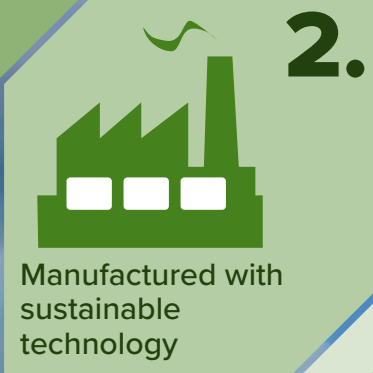
EcoTek®

Life Cycle Assessment



1.

Gloves designed and validated with stakeholders in mind



2.

Manufactured with sustainable technology

SW® nitrile gloves with EcoTek® reduces waste in landfill by

92.6%

in only 2 years and 6 months*



3.

Customers use gloves for medical and industrial applications



4.

Uncontaminated gloves go to trash bin

Regular nitrile gloves take hundreds of years to breakdown. The synthetic rubber compound is very resistant to microbial attack which delays waste reduction.

In the landfill environment there is a lack of oxygen because trash is tightly compacted, which prevents waste reduction.



5.

Uncontaminated and treated gloves are disposed in landfill

SW EcoTek Sustainable Technology is designed for anaerobic (no oxygen) conditions, it reduces waste in landfill without oxygen.



4b.

Contaminated glove waste is segregated
Treated gloves go to landfill



6.

Breaks down in landfill which promotes waste reduction with no toxic residue

Incineration leaves behind about 20% of glove volume as ashes, which are routed to landfills or handled differently depending on the residual contaminants.

Nitrile gloves with EcoTek have shown reduced toxic emissions (such as CO and NOx) in the incineration flue gas.**



5b.

Untreated gloves are incinerated, and ash goes to landfill

*Under test method ASTM D5526-12, a standard test method for determining anaerobic biodegradation of plastics in accelerated landfill conditions. Current biodegradation results do not predict future results.

**Incineration releases fumes that pollute the air, and the ash contents are (most of the time) toxic. This is not a sustainable option. These conclusions were based upon third party testing.

Environmental stewardship

7.



8.

Stakeholders' satisfaction

Zero Waste International Alliance (ZWIA) defines a zero waste company or community as one that achieves at least 90% waste diversion from landfills, incinerators and the environment. Under this criteria EcoTek Sustainable Technology does support companies' sustainability goals.

Customer Benefits from EcoTek

- Reducing carbon footprint
- Reducing landfill waste
- Prevents waste pollution
- Supports stakeholder's Green Programs
- Economic benefits saves money
- Qualifies for local/national incentives for going green
- Increases employee or user's moral for doing something good
- Improving company image



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