



EcoTek®

**NITRILE GLOVES WITH  
BIODEGRADABLE TECHNOLOGY**

What is...

# EcoTek®

EcoTek is a proprietary SW® nitrile formula that enables nitrile gloves to break down (or biodegrade) in landfills over a much shorter time than untreated gloves.

It is the industry leading nitrile treatment, breaking down a nitrile glove by 92.6% in only 2.5 years without any glove performance loss.

- The testing was stopped after 2.5 years because the glove released all gaseous carbon.
- The remaining 7.4% is non-toxic nutrients.

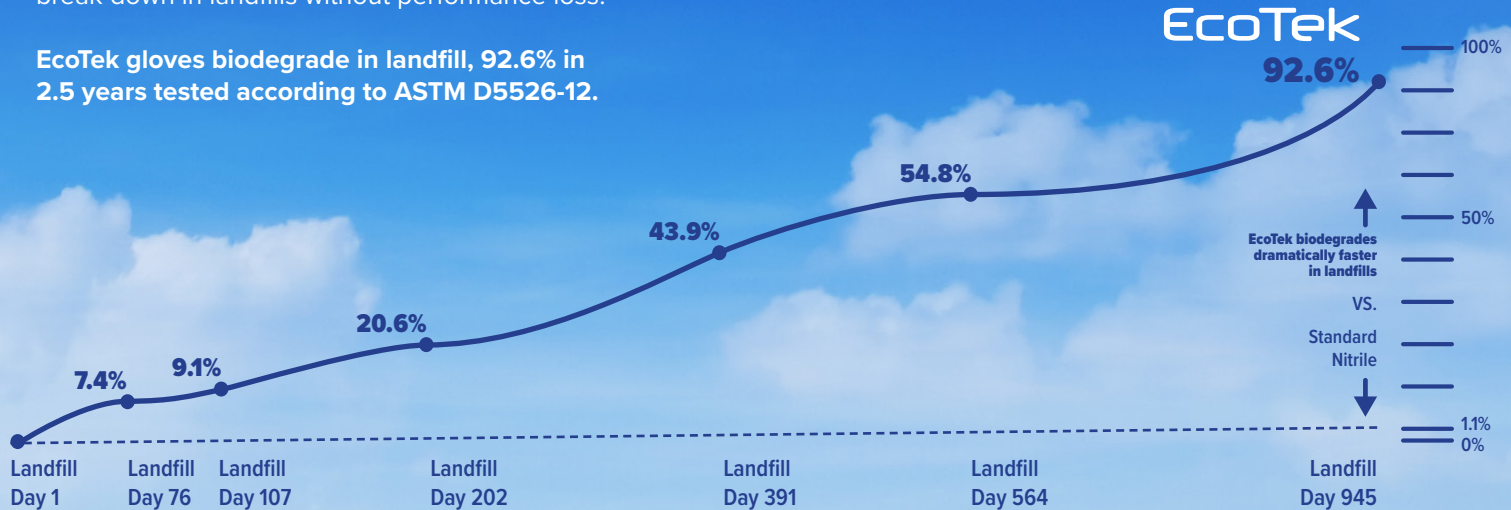
Under test method ASTM D5526-12, a standard test method for determining anaerobic biodegradation of plastics in accelerated landfill conditions. Current biodegradation results do not predict future results.

# EcoTek<sup>®</sup>

## SW Biodegradability Technology

EcoTek is a nitrile treatment that accelerates the break-down in landfills without performance loss.

EcoTek gloves biodegrade in landfill, 92.6% in 2.5 years tested according to ASTM D5526-12.



# EcoTek®

## Life Cycle Assessment



1.

Gloves designed and validated with stakeholders in mind



2.

Manufactured with biodegradable technology

SW® nitrile gloves with EcoTek® biodegrade 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 degradation.

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



5.

Uncontaminated and treated gloves are disposed in landfill

SW EcoTek Biodegradable Technology is designed for anaerobic (no oxygen) conditions, it degrades in landfill without oxygen.



6.

Biodegrades in landfill which promotes waste reduction with no toxic residue



4b.

Contaminated glove waste is segregated  
Treated gloves go to landfill

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



5b.

Untreated gloves are incinerated, and ash goes to landfill

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

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 Biodegradable Technology does support companies' sustainability goals.

### Customer Benefits from EcoTek

- Reduces carbon footprint
- Reduces landfill waste
- Prevents waste pollution
- Supports stakeholder's Green Programs
- Economic benefits - saves money
- Qualify for local/national incentives for going green
- Positive environmental impact increases company moral
- Improves company image

7.



Environmental stewardship

8.



Stakeholders' satisfaction

\*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.





## NITRILE SINGLE-USE GLOVES WITH BIODEGRADABLE TECHNOLOGY

MM

MM-11BK

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 12.8g (large size)	 11"	 8.5 mil	DriTek® EcoTek®	BLACK

EcoTek

TF

TF-95RB

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 5.0g (large size)	 9.5"	 3.1 mil	EcoTek®	ROYAL BLUE

EcoTek

PF

PF-95GY

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 8.8g (large size)	 9.5"	 6.2 mil	DriTek® EcoTek®	GRAY

EcoTek

PF

PF-95TL

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 6.5g (large size)	 9.5"	 5.0 mil	EcoTek® Clean Washed Air Inspected	TEAL

EcoTek

PF

PF-95GW

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 6.5g (large size)	 9.5"	 4.9 mil	EnerGel™ Breach Alert™ EcoTek®	GREEN WHITE

EcoTek

PF

PF-90BK

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 6.5g (large size)	 9.0"	 5.0 mil	EcoTek®	BLACK

EcoTek



## HOW TO ACHIEVE ZERO WASTE WITH ECOTEK® BIODEGRADABLE TECHNOLOGY



### 292.4 MILLION TONS OF TRASH

The amount of trash generated by the US in 2018 with almost half ending up in landfills, according to the EPA.



### 180 BILLION GLOVES EQUALS 1 MILLION TONS

Based on a 5 gram glove, a small US landfill could hold at least 180 billion gloves.



### ECOTEK NITRILE GLOVES, 2.5 YEARS LATER

92.6% of the EcoTek gloves break down and the remains become organic, non-toxic materials. Thus preventing waste pile up and environmental pollution.



### WHAT IS ZERO WASTE?

Zero Waste International Alliance (ZWIA) defined a zero waste company or community as one that achieves at least 90% waste diversion from landfills, incinerators and the environment.



### HOW TO ACHIEVE ZERO WASTE

Waste Prevention, Recycling, Donation, Anaerobic Digestion, Composting, Waste Diversion, Waste Reduction, Incineration, Waste to Energy Recovery.

**WASTE REDUCTION:** 1 million tons of waste is reduced to 74,000 tons!





# Bantam™

**TPE SINGLE-USE GLOVES WITH  
BIODEGRADABLE TECHNOLOGY**



**B**

**P-034-098-ECO-WT**

WEIGHT	LENGTH	THICKNESS	FEATURES	COLOR
 3.4g (large size)	 9.8"	 3.2 mil	EcoTek®	 WHITE

**EcoTek**

# NEWTRILE™

**NITRILE CHEMICAL-RESISTANT GLOVES  
WITH BIODEGRADABLE TECHNOLOGY**



**UNLINED 11MIL  
FLOCK-LINED 11MIL  
FLOCK-LINED 15MIL**

**NEWTRILE 9**  
NITRILE  
UNLINED  
FLOCK-LINED  
15 MIL  
12 PAIRS



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