Chemical Compatibility Guidelines
Meat, Poultry, Seafood (MPS)

DETERGENTS (Cleaning)

Protein Applications – Standard Chlorinated Alkaline Detergent used as directed by chemical supplier
Non-Protein Applications – Standard Alkaline Detergent used as directed by chemical supplier
Hard Water or Protein Build-up – Contact chemical supplier for recommendation

⚠	Do not use detergents described as heavy degreasers, smokehouse detergents, or similar products.
	Belt soaking is not recommended.

SANITIZERS (Sanitation)

⚠	Strong, inorganic acids should not be used unless a full evaluation of the chemical has been conducted and approved. This includes, but is not limited to, temperature, concentration, exposure time, and frequency of use.
	Strong, inorganic acids include: phosphoric acid, nitric acid, hydrochloric acid, sulfuric acid, hydrobromic acid, hydroiodic acid, or similar acids.

Not Resistant	Chemical will affect mechanical and/or physical properties of the belt
Partially Resistant	Chemical may affect mechanical and/or physical properties of the belt
Resistant	Chemical does not affect mechanical and/or physical properties of the belt

	Independent Test Data (Acetal and PK)														Supplier/General Literature			
Chemical	Sodium Hypochlorite		Sodium Hydroxide		Phosphoric Acid		Peroxyacetic Acid		Lactic Acid		Glycolic Acid		Nitric Acid		Hydrogen Peroxide	Isopropyl Alcohol	Ethanol	Quaternary Ammonium
Concentration / Material	Low 200	High 150,500	Low 1,950	High 250,000	Low 1,210	High 300,000	Low 500	High 180,000	Low 1,250	High 320,000	Low Not Tested	High 300,000	Low 6,250	High 100,000				
Acetal					***	***		***										
PK		*		*		*												
ChemBlox™				**														

* Discoloration (slight to moderate yellowing or golden-brown color change)
** Limited resistance above 200,000 ppm
*** Stress cracks

Note: Continuing chemical exposure over time will degrade plastics. Factors affecting the degree of degradation are dwell time, temperature, and concentration of the chemical. Lower dwell time, temperature, and concentration will minimize chemical belt damage. The purpose of this document is to provide general guidelines. Actual conditions vary in every plant and application. This document is not intended to be, or used for, advice on virucide management or efficacy. This document is not intended to be used for belting materials other than those provided by Intralox.