

**SUBJECT:** Compatibility of materials with chlorine solution up to 2,000 mg/L  
**DATE:** 20<sup>th</sup> May, 2014  
**FROM:** Ulick Stafford  
**TO:** General  
**REFERENCE NUMBER:** MTS062

Sodium dichlorisocyanurate tablets dissolved in water produce a solution of active chlorine. The following chart shows the compatibility of a variety of materials with solutions up to 2,000 mg/L of active chlorine.

Plastics	Compat.	Elastomers	Compat.	Metals	Compat.
ABS	A	Nitrile (Buna N)	A	SS 304	B
CPVC	A	EPDM	A	SS 316	A
Hytrel®	A	Hypalon®	A	Aluminium	A
HDPE	A	Kel-F®	A	Brass	B
LDPE	A	Santoprene®	A	Bronze	B
Noryl®	A	Silicone	B	Carbon Steel	C
Polycarbonate	A	Tygon®	A	Cast iron	C
Polypropylene	A	Viton®	A	Hasteloy C®	A
PPS	A			Titanium	A
PTFE	A			<b>Nonmetals</b>	
PVC	A			Carbon graphite	A
PVDF	A			Ceramic Al2O3	A
				Ceramic magnet	A

Explanations of ratings -- Chemical Effect

A = Excellent.

B = Good -- Minor Effect, slight corrosion or discoloration.

C = Fair -- Moderate Effect. OK for short term use. Not recommended for continuous use. Some pitting may occur.

D = Severe Effect, not recommended for ANY use.

Signed by:

Ulick Stafford PhD, R&D Manager



on behalf of Medentech,  
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