



RemOX® L ISCO REAGENT

Liquid Materials Recommendations & Compatibility Technical Brief

The information contained herein is accurate to the best of our knowledge and should be used as a guideline. Material manufacturing methods and grades can vary and materials testing in our laboratory for compatibility may not apply across all product brands/grades. The responsibility for determining appropriateness for specific applications resides with the user.

METALS/CERAMICS

Aluminum oxide ceramic	Ductile Iron
Carbon Steel	Stainless steel
Cast iron	Tungsten carbide

PLASTICS, SEALS, DIAPHRAGMS, ELASTOMERS

AFLAS®**	Noryl® resin**
CHEM Proline® Advanced PE**	Polyethylene
HDPE	Polypropylene
HDPEX	Santoprene™**
Hypalon® (CSPE)**	Silicone
Kalrez® (FFKM)**	Teflon® (PTFE)**
Kynar® (PVDF)**	Vinyl

PVC Schedule 80 (Other manufacturers are not recommended)

Chemtrol/NIBCO:	(800) 234-0227
Colonial Engineering:	(269) 323-2495
Georg Fischer:	(714) 731-8800
IPEX:	(586) 868-1235

APPLICATIONS

RemOx L is used for soil and groundwater remediation by in situ or ex situ chemical oxidation for treatment of chlorinated ethenes, phenolic compounds, polyaromatic hydrocarbons, RDX, HMX, and various pesticides.

STORAGE TANKS

Recommended Material:	HDPE
Specific Gravity:	1.9
Manufacturers:	Assmann - (888) 357-3181
	Poly Processing - (866) 590-6845
	Snyder Crown - (402) 467-5221

TRANSFER PUMPS

Recommended Material:	Kynar, Polypropylene, Stainless Steel
Seals/O-Rings:	Santoprene, Silicone, Teflon
Manufacturers:	Finish Thompson - (800) 934-9384
	Grundfos - (913) 227-3400
	March Pumps - (847) 729-5300

METERING PUMPS

Wetted Material:	PVC, Stainless Steel
Diaphragm:	Teflon
Seals/O-Rings:	Hypalon, Santoprene, Silicone, Teflon
Manufacturers:	LMI - (978) 263-9800
	Neptune - (215) 699-87000

PLASTICS, SEALS, DIAPHRAGMS, ELASTOMERS

Recommended Material:	Stainless Steel
Diaphragm:	Santoprene, Teflon
Seals/O-Rings:	Hypalon, Santoprene, Silicone, Teflon
Manufacturers:	Neptune - (215) 699-8700
	Pulsafeeder - (585) 292-8000
	UGSI - (855) 669-3845

VALVES - FLOWMETERS

Recommended Material:	KStainless Steel, PVC Schedule 80
Seals/O-Rings:	AFLAS, Santoprene, Silicone, Teflon
Manufacturers:	NIBCO - (800) 234- 0227
	+GF+ Signet - (626) 571-2770



GENERAL PRECAUTIONS

Follow good piping practices and the manufacturer's directions on surface preparation (de-burring and clear primer) and cure times for solvent welding (gluing) PVC. Carus uses Oatey brand primer and cement. Minimize threaded connections when possible. Weld all joints or use flanges with AFLAS, Silicone, or Teflon gaskets.

ALWAYS use personal protective equipment (PPE) and refer to the Safety Data Sheet (SDS) for more information.

INCOMPATIBLE MATERIALS

ABS plastic
Buna N
Buna S
CPVC
EPDM
Natural rubber
Neoprene
Nitrobutyl rubber
Nylon
Polyvinyl chloride II
Viton™ (FKM)**



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Driving Safety & Sustainability

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