

WATER SPECIALISTS TECHNOLOGIES LLC

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WST-915 REAGENT

WST-915 is a liquid formulation designed for reduction of hexavalent chromium and the removal of heavy metals from wastewater in one step, and is a key component of an overall heavy metal removal program.

PRINCIPAL USES:

WST-915 has been formulated to reduce hexavalent chromium and remove heavy metals from the effluents of plating baths, etching solutions, and rinses containing soluble metals in one step. It can reduce the concentration of the following metals to acceptable levels from most waste streams:

Cadmium (Cd)	Chromium (Cr)	Mercury (Hg)	Tin (Sn)
Cobalt (Co)	Iron (Fe)	Nickel (Ni)	
Copper (Cu)	Lead (Pb)	Silver (Ag)	
Chrome (Cr)	Manganese (Mn)	Zinc (Zn)	

PHYSICAL DATA:

APPEARANCE:	Dark brown to black liquid/slight odor
SPECIFIC GRAVITY:	1.20 – 1.40
pH (UNDILUTED):	13.00 – 13.75
EVAPORATION RATE (water = 1):	1
SOLUBILITY IN WATER:	Complete
FREEZING POINT:	14F/10C

HANDLING AND STORAGE:

As with any chemical, this product should be handled with reasonable care. See the Material Safety Data Sheet for complete handling information. Avoid contact with skin, eyes and clothing. Do not take internally. Suggested in-plant storage limit is six months in unopened containers.

DOSAGE:

Your Water Specialists Technologies Representative will help determine dosage guidelines for your application. For continuous flow systems, this product can be automatically added with the use of an ORP or Ion specific controller. Your WST representative will provide the recommendations for applying the product in the most efficient manner possible.

FEEDING:

WST-915 can be fed in any dilution ratio desired. The chrome reduction process requires 15-20 minutes minimum and the metal precipitation stage is almost instantaneous. The WST-915 program is very flexible and your WST representative will determine the exact feed point.

TECHNICAL ASSISTANCE:

Your Water Specialists representative is on call 24-hours a day to assist you with any water treatment problems that may arise. A service program designed around your needs comes with your chemical purchase. If you have any questions or comments, please call Water Specialists Technologies LLC.