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# Crimson Chrome Reducer

**GENERAL DESCRIPTION:** Crimson Chrome Reducer is an effective liquid ferrous sulfate coagulant based on divalent iron (Fe<sup>2+</sup>). The product is manufactured by reacting high purity iron ore and metal with sulfuric acid. Crimson Chrome Reducer can effectively be used as a flocculant and coagulant for municipal and industrial water and wastewater treatment. Some applications include hydrogen sulfide control; phosphate precipitation with aeration; chromate reduction; cyanide complexation; dechlorination; and sludge conditioning.

**PHYSICAL PROPERTIES:**

pH (30% w/w)	<2
Appearance	Clear Green Liquid
Color	Light Green
Total Fe (II)	2.5 – 3.0%
Specific Gravity (60 °F/15.6 °C)	1.10 – 1.15
Free Acid	<0.25%
Water Insoluble Matter	<0.1%

**INSTRUCTIONS:** Add 20 ppm of product for every 1 ppm of hexavalent chrome.

Example: If you have 5 ppm of hexavalent chrome, you'll need 100 ppm of product.

Here is the calculation to treat 1,000 gallon of wastewater with 5 ppm of hexavalent chrome:

$$1,000 \text{ gallons wastewater} \times 8.34 \text{ pounds/gallon} = 8,340 \text{ pounds wastewater}$$

$$8,340 \text{ pounds} \times 20/1,000,000 \text{ product} = 0.17 \text{ pounds of product required}$$

**SAFETY:** The handling of any chemical requires care. Anyone responsible for using or handling Crimson Chrome Reducer should familiarize themselves with the full safety precautions outlined in our Safety Data Sheet

**GHS Classification**

Single Word:	Warning
Hazard Classification:	Acute toxicity (Oral); Category 4; Harmful if swallowed. Skin irritation; Category 2; Causes skin irritation. Eye irritation; Category 2; Causes serious eye irritation

Pictogram	Exclamation Mark
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