

# TRAMFLOC, INC.

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## Technical Information Bulletin TRAMFLOC® 920 PRECIPITANT

Tramfloc® 920 is a proprietary formulation designed as a precipitant of heavy metals from industrial process wastewaters, including metals from chelated/complexed environments. This formulation is composed of sodium hydropolysulfide and an iron coagulant.

### **PRINCIPAL USES:**

Tramfloc® 920 has been formulated to remove heavy metals from industrial process waters including effluents of plating baths, etching solutions, and rinses containing soluble metals. Tramfloc® 920 will reduce the concentration of the following metals to acceptable levels within regulatory requirements: AG, AU, CD, CO, CR, CU, FE, HG, MN, NI, PB, and ZN.

### **PHYSICAL DATA:**

APPEARANCE:	Dark brown to black Solution
ODOR:	Slight
SPECIFIC GRAVITY:	1.17-1.20
PH	13.0-13.8

### **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.

### **DOSAGE:**

Bench scale jar testing will help determine the optimum dosage. Ask for our information bulletin on performing such testing. To optimize the dosage, oxidizers present in solution must be destroyed (reduced) prior to dosing Tramfloc® 920. In full-scale installations, the dosing of Tramfloc® 920 is most efficiently accomplished with an automatic feed control system.

### **FEEDING:**

Adjust the solution pH between 6.0-9.0 prior to adding Tramfloc® 920. In some applications, the iron coagulant ingredient in Tramfloc® 920 will help the coagulation and clarification operations. Reaction time is about 30 minutes. Tramfloc® 920 should be fed neat to the metal bearing stream.

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