

TRAMFLOC, INC.

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Technical Information Bulletin TRAMFLOC® 908 PRECIPITANT

Tramfloc® 908 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® 908 has been formulated to remove heavy metals from industrial process waters including effluents of plating baths, etching solutions, and rinses containing soluble metals. Tramfloc® 908 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:	Black Solution
ODOR:	Slight
SPECIFIC GRAVITY:	1.30-1.37
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® 908. In full-scale installations, the dosing of Tramfloc® 908 is most efficiently accomplished with an automatic feed control system.

FEEDING:

Adjust the solution pH between 6.0-9.0 prior to adding Tramfloc® 908. The metal precipitation reaction will take about 30 minutes. In some applications, iron coagulant ingredient will help the coagulation and clarification operations.

Tramfloc® 908 should be diluted to a 10% solution for feeding to the metal bearing stream.

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