

Water-Soluble Chelating Agent for metals removal

PRESENTATION

MetalR+ is a chelating agent developed to improve the removal of heavy metals in water. MetalR+ helps to reach very low levels and to cope with strict worldwide regulations.

MetalR+ is used in the treatment of effluents issued from incineration facilities, metal processing and electroplating industries, power stations, marinas and where industrial water is contaminated by heavy metals.

PRODUCT DESCRIPTION

MetalR+ is based on sulphur chemistry and provides an easy, flexible and cost-efficient solution to heavy metals remediation.

Thanks to the dithiocarbamate groups grafted on a polymeric structure, MetalR+ allows forming chelates with heavy metals and gives way to an enhanced sulphide precipitation. The flocs thus formed can be removed through settling or filtering. Larger floc size is also reachable by small addition of flocculant and/or coagulant to ensure rapid settling and easy dewatering of the sludge.

INSTRUCTIONS

MetalR+ is a water-based, ready-to-use solution. As the dithiocarbamate group is bonded to a polymeric chain, no toxic gases are released.

MetalR+ is applicable under a wide range of pH (generally between 3-10, preferably 4-9). The temperature range is standard (10-75°C).

MetalR+ is added directly under agitation to the water containing heavy metals by means of a dosing pump. Dosage is based on the composition of the water to be treated, the existing treatment or a lab test.

MetalR+ is available in 5 gallon Plastic Pails p/n (8.750-280.0)

Distributed by:

SAFETY

MetalR+ is not classified as dangerous and has a very low order of toxicity and presents no health dangers through handling.

However, in compliance with good industrial hygiene and safety practices, avoid contact with eyes, skin and clothing and wash hands thoroughly after use.

For more information, see Material Safety Data Sheet.



Physical Chemical Properties

Appearance	Red Liquid
Active content	20%
Ionic Character	Anionic
Density (20°C)	1.10 – 1.15
pH value	9 - 12
Viscosity (20°C)	30 – 500 cPs
Freezing Point	-7°C

STORAGE AND PACKAGING

Shelf Life is 12 months under normal storage conditions (90°F / 35°C). Temperature above 35°C should be avoided.

MetalR+ has proven to be very effective in the treatment of effluents arising from:

- Garbage incineration facilities
- Solvent incinerator
- Printing factories
- Leather products factories
- Iron and steel manufacturers
- Metal processing industry
- Refineries of non-ferrous metals
- Electronics Industry
- Photographic industry
- Automotive industry
- Chemical industry
- Power stations
- Electroplating industry
- Marinas