

FINEAMIN 47T

POLYAMINES-BASED FILM-FORMING CORROSION AND SCALE INHIBITOR FOR OPEN RECIRCULATING SYSTEMS. ENVIRONMENTALLY FRIENDLY PHOSPHONATES

ADVANTAGES

- Anticorrosion protection by surface-active filming polyamines
- Dispersion and removal of existing corrosion products and deposits
- Formation of a stable, thin and homogeneous protection layer
- Effective antifoulant measure
- Ecologically and toxicologically harmless, bio-degradable
- Environmental friendly phosphonates content
- Effective over broad pH range
- Metal free

MODE OF ACTION

FINEAMIN 47T is an advanced cooling water treatment product for control of corrosion and fouling in open recirculating systems. It is a specially developed formulation to protect the surfaces, to clean and keep them clean, reducing expensive shut down periods and maintenance costs. This metal free corrosion and scale inhibitor consists of a mixture of alkaline dispersing polymers and volatile, filming polyamines, together with a mixture of environmentally friendly phosphonates. The surface-active polyamines enhance the formation of a thin, homogeneous and stable protection layer on all metal parts, while the polymers and other components give extremely efficient antiscale properties under high temperatures and hardness in cooling systems. Air-borne foulants and water caused deposits are also dispersed by this single treatment. The product may be used in industrial cooling waters with minimal water disposal problems.

ENVIRONMENTAL COMPATIBILITY

FINEAMIN 47T has been independently tested and confirmed as ecologically and toxicologically harmless by medical and hygiene institutes. Furthermore, it is almost entirely bio-degradable. For more details see EU safety data sheet.

APPLICATION AND DOSING

Pump **FINEAMIN 47T** directly from the drum into a recirculating cooling water line directly into the tower basin. Pumping may be on a continuous basis in conjunction with automatic bleed off to maintain the recommended cycles of concentration. However, the preferred method is to use a dosing system which operates proportional to system loading, conserving both water and treatment, and which should be fabricated from acid resistant materials. Rapid protection against corrosion is achieved by pre-treating the system with between three and five times the normal maintenance dosage for seven to ten days. The maintenance dosage is then applied to the recirculating water at all times.

DELIVERY

FINEAMIN 47T is delivered as liquid solution in 30 kg, 60 kg or 210 kg drums. For major customers, the product is available in standard containers of 1000 kg. In closed drums, with an ambient temperature range from -5°C to 45°C, it can be stored for up to 5 years.

PROPERTIES AND INFORMATION

PHYSICAL

Form:	Very stable liquid	Boiling point/range:	100°C
Colour:	Colourless	Density at 20°C:	1.05+/-0.1 g/cm ³
Odour:	Characteristic	pH-value at 20°C:	9.5+/-1.5
Odour threshold:	nd	Vapour density:	nd
Melting point/range:	-10°C	Evaporation rate:	nd

ECOLOGICAL

Aquatic toxicity:	no relevant information available
Persistence and degradability:	70% biodegradable

THE FINEAMIN PRODUCTS FAMILY



FOR BOILERS / STEAM GENERATORS CLOSED LOOP COOLING OR HEATING

PRODUCT NAME	ACTIVE INGREDIENTS	TYPICAL USES
FINEAMIN 06	Polyamines & polymers	General boiler treatment, power plants <120 bars, refineries
FINEAMIN 06C	Polyamines & polymers, concentrated	Refineries, industrial processes
FINEAMIN 06 SCAV	Polyamines, polymers, oxygen scavenger	Same as FINEAMIN 06. Used for high oxygen levels in feed water
FINEAMIN SCAV 35	Oxygen scavenger amines	Oxygen reduction < 120bars
FINEAMIN 90	Polyamines	Power plants > 120 bars
FINEAMIN 24	Polymers	Maintain high pH
FINEAMIN 39	Polyamines, polymers	General boiler treatment
FINEAMIN 29	Polyamines, polymers, copper inhibitor	Closed cooling with copper

Available packaging, CP9 pallets: 30kg drum / 28 in pallet - 60kg drum / 8 in pallet - 210kg drum / 4 in pallet - 1'000kg IBC / 1 in pallet

FOR OPEN COOLING

PRODUCT NAME	ACTIVE INGREDIENTS	TYPICAL USES
FINEAMIN 47	Film-forming amines, polymers	Corrosion and scale inhibitor
FINEAMIN 47T	Film-forming amines, polymers, environmentally friendly phosphonates	Corrosion and scale inhibitor
FINEAMIN 91	Polycarboxylic acid, phosphonic acid	Corrosion and scale inhibitor
FINEAMIN 92	Polycarboxylic acid, phosphonic acid, zinc	Corrosion and scale inhibitor
FINEAMIN 95T	Environmentally friendly phosphonates	Corrosion and scale inhibitor
FINEAMIN 81	Co-polymers	High-stress dispersant
FINEAMIN FINALGA ME	Isothiazoline	Biocide
FINEAMIN FINALGA 25	Quaternary ammonium	Biocide
FINEAMIN Biodispersant BOD		Biocide

Available packaging, CP9 pallets: 30kg drum / 28 in pallet - 60kg drum / 8 in pallet - 210kg drum / 4 in pallet - 1'000kg IBC / 1 in pallet



**HYDROPHOBIC
FILM FORMING
POLYAMINES**

