

Technical Data Sheet (TDS)

ASA-C 100



Chemical Product

Product Name: ASA-C 100

Use: Corrosion & Scale Inhibitor for Open Cooling System

Introduction

ASA-C 100 is a zinc-phosphonate base scale and corrosion inhibitor for using in open recirculating water systems. It is an effective chemical product formulated for open cooling system, which has a high tendency towards scaling and protect ferrous and copper alloys against corrosion. It is inherently stable to oxidizing biocides commonly used in cooling systems for microbiological control.

Advantages:

- Chemically stable towards hydrolysis and chlorination.
- Prevent pitting corrosion as well as general corrosion.
- Doses not promote pitting attack if under dosed.
- Thermally stable.
- Non- toxic product.
- Prevents scales build-up, even at hot-points.

Dosages:

The injection dosing of ASA-C 100 into the circulating water must be adjusted such that the T-PO₄ concentration in the circulating water is maintained between 5–25 mg/lit to ensure optimal performance.

Typical Properties

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|---------------------------|---|---|
| ➤ Appearance | : | Amber colored |
| ➤ Specific Gravity | : | 1.1-1.2 |
| ➤ Solubility | : | soluble in all proportions of water. |
| ➤ PH 10% | : | < 1.5 |

PACKAGING

ASA-C 100 is supplied in P.E drums of 250 kg capacity.

Storage

Keep cool, dry ventilated storage and clean containers.

Shelf Life

Two years in closed drums stored under cover and protected from extremes of temperature.

Performance monitoring

The performance of ASA-C 100 can be continuously monitored by corrosion rate and corrosion coupons.

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