

Closed Cooling Corrosion Control Brine System Inhibitors

HIGHLIGHTS

ZI-CHEM 31A0, ZI-CHEM 31B0 and ZI-CHEM 31C0 are corrosion inhibitors designed specifically as additives to prevent corrosion due to chlorides, and can be used in closed loop cooling systems containing brine solutions providing protection to ferrous and aluminum-based alloys.

These products are non-toxic, environmentally friendly, and contain no chromate, nitrite, or phosphate inhibitors.

TYPICAL PROPERTIES

	ZI-CHEM 31A0	ZI-CHEM 31B0	ZI-CHEM 31C0
Appearance	White to off white powder	Amber liquid	White to off white powder
Non-volatile content	97-100%	35-40%	95-100%
pH	11-8-12.8 (1% sol)	10-11 (1% sol)	6.4-7.5 (1% sol)
Density	N.A.	1.03 – 1.08	N.A.

PRIMARY APPLICATIONS

ZI-CHEM 31A0 is a powder designed to suppress corrosion caused by **NaCl** based deicer.

ZI-CHEM 31B0 is a liquid additive for deicer fluids and is especially effective when added to a **MgCl₂** based deicer product.

ZI-CHEM 31C0 is a powder and effective in **CaCl₂** based deicer.

FEEDING & CONTROL

Protective concentration

- As a deicing salt additive, 4-5% by weight
- As an inhibitor to brines in closed loop cooling systems, (3000-5000 ppm / 0.3-0.5 % weight).

Your ZI-TECHASIA technical field specialist will recommend the most appropriate dosage for your particular application on an ongoing basis.

THE BENEFITS

- Non-toxic and free of chromate, nitrite and phosphate
- Environmentally friendly
- Low dosage
- Easy to apply
- Multi-metal protection
- Extended equipment life
- Reduced maintenance cost

COMMON APPLICATIONS

- Automotive industries
- Packaging facilities
- Power generating facility
- Tire & Rubber manufacturing
- Commercial & Institutional Building
- Food industries
- HVAC systems in buildings

PACKAGING

- 25kg open top buckets with lid
- 25kg nylon bags

HANDLING & SAFETY

ZI-TECHASIA maintains a database of material safety data sheets (MSDS) on all our products. These contain health & safety information to assist in the safe and appropriate chemical handling, ensuring the protection of personnel.

