

شركة فايزه ابوزيد للمعالجات الكيماوية

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رقم التسجيل بهيئة البترول برقم 32 لجنة 18 يوليو 2024

#### **FATC C-2023**

Corrosion and scale Inhibitor a

## Product / Safety Data

مانع تآكل ومانع ترسيب ومشتت لمعالجة مياه ابراج التبريد وأبار البترول والغاز

#### **General Features**

FATC C-2023 is an integrated chemical product for multi metal systems corrosion inhibition and scale inhibitor for open recirculating cooling water systems, based on organic chemicals and for water formation and water flooding oil fields.

FATC C-2023 is a stable – strong chemical blend working at wide pH range.

#### Description

FATC C-2023 is a synergistic blend of organic phosphonates, HEDP and BPTC, and Terpolymers of PMA, PAA.

FATC C-2023 Does not contain any heavy metals.

FATC C-2023 is a good corrosion inhibitor for all types of metals as steel and copper and copper alloys for oil fields and gas production systems.

#### **Properties**

Appearance : Yellow liquid

Specific gravity at 25°C : 1.3 -1.5

H : Acidic liquid solution 1.5 \_3

# Recommended Doses of FATC C-2023 program

### 1- Passivation: Dose at 60 - 100 ppm of the product.

Initial Dose for Passivation of the cooling system after on-stream cleaning to assure a quick formation of the inhibitor film, on metals the system must receive double the recommended maintenance dose during the first week of application of the treatment program.

- The first fill dose is calculated according to the static volume of the cooling water to be added as shock dose, then
  continuous double dose based on blow down water rate.
- Recommended passivation dose is 60-100 ppm, to maintain organic PO<sub>4</sub> at 5-7 ppm for 7 days.
- During passivation it is recommended to decrease the blow down valves to minimize blowdown water discharge.

#### 2- Maintenance Dose: continuously dosed by dosing pump to tower basin, or to down hole system of oil wells.

The maintenance dose varies from 40-50 ppm in the cooling water to maintain PO<sub>4</sub> at 3 - 5 ppm.

The exact dose definition will depend on the system type, operating conditions andmake up water and cooling water quality and operation cycle of concentration, for oil wells the dose could be 50 – 100 ppm.
 Daily analysis of organic phosphate in cooling water will be required, to assure the effective concentration of organic PO<sub>4</sub> (3 – 5 ppm ).

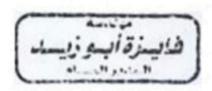
# Handling, Packaging and storage:

FATC C-2023 is supplied in plastic drums of 200 liters.

When handling any chemical materials use gloves and goggles, do not eat or smoke during handling. Store in a shaded cool warehouse.

Validity 2 years





الإدارة: 57 ش هشام لبيب - الحي الثامن - مدينة نصر- القاهرة - جمهورية مصر العربية



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