

Technical Data Sheet

BIONIC-C215: Water Soluble Corrosion Inhibitor

General Information

BIONIC-C215 is a concentrate film-forming, water soluble corrosion inhibitor designed for prevention of corrosion in production and transportation system of gas and petroleum. **BIONIC-C215** effectively controls corrosion in system containing CO₂, H₂S, Organic acids and brines. It is mixture of several filming compounds and effective in gas and oil pipelines with high water to oil ration and crude oil disasters. This inhibitor doesn't impart emulsification tendencies.

Typical Physical properties

Appearance	Light amber liquid
PH(5% solution)	6-8
Odor	non
Solubility in water	Soluble
Sp. Gr@20°C	1.07±0.03
Viscosity @ 25°C	60-110
Pour Point, ASTM, °C	<5
Flash point, PMCC, °C	>80

Dosage and Benefits

- Recommended method of application for **BIONIC-C215** is continues injection Normal Dosage rate for continuous injection in gas production and transportation system are in the range of from 4 to 10 liter per MCM.
- BIONIC-C215** can be dilute in water at the ratio of 1:1 to 1:10.
- Very powerful inhabitation properties in contract with CO₂ and H₂S.
- Can be used in gas and oil pipeline with high water oil ratio.
- Typical dosage rates are between 15-40 ppm depending on the severity of the corrosive system.

Health Information

Avoid breathing vapors and contact with skin, eyes and clothing. Wash thoroughly after handling. In case of eye contact, immediately flush with plenty of water at least 15 minutes.

Storage/Handling

Keep away from heat, sparks and open flames. Keep containers closed. Other normal precautions for process chemical apply.

Precaution for process chemicals apply. Do not breathe vapors/gases/dust. Keep the containers closed when not in use.

Suitable Construction Material

HDPE (high density polyethylene), Stainless Steel 304, Stainless Steel 316L, MDPE (medium density polyethylene).

Human Health Hazards

• INHALATION

Irritating in high concentrations, to the eye, nose, throat and lungs.

• SKIN CONTACT

May cause irritation depending on the length of exposure and the type of first aid administered.

• EYE CONTACT

Corrosive, may cause eye burns.

Material Compatibility

Avoid contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate). Avoid Contact with strong acids (e.g. sulfuric, phosphoric, nitric, hydrochloric, and chromic)

Packing

BIONIC-C215 is packaged in 200 Liter plastic drums.

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