

GEOCHEMM

Technical Data Sheet GEO AI 536

ACID CORROSION INHIBITOR

Scope of Application

: **GEO AI 536** is an acid inhibitor which is specially designed to be used for a wide temperature range including high temperatures with intensifier use. **GEO AI 536** is an ideal product for severe operational environments including geothermal fields with high temperature operational nature. Working mechanism of **GEO AI 536** is creating a barrier film layer on the metal surfaces and protecting the metal against acid attack during acidizing operations. **GEO AI 536** is specially formulated in order to be used in both 14% and 28% hydrochloric acid solutions as well as hydrofluoric acid mixes. Below table shows **GEO AI 536** usage in different temperatures and in different percentages. **GEO AI 536** can be used for operations at elevated temperatures upto 400°F.

ACID STRENGTH (%)	TEMPERATURE (°F)	GEO AI 536 (%)
15%	150	0.10 – 0.30
15%	175	0.20 – 0.40
15%	200	0.40 – 0.80
15%	225	0.80 – 1.00
15%	>250	1.25
28%	150	0.25 – 0.50
28%	175	0.50 – 0.75
28%	>250	1.50

NOTE: Performance of the product will depend on,

- Acid strength and type
- Metallurgy of equipments and materials
- Mixture type
- Temperature
- Contact time

Form : Liquid
Odor : Alcohol
Color : Yellowish
Solubility : Dispersible

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Shelf Life*

: If storage condition is applied, the shelf life of product is 12 months.

Packing

: 200 lt Drums / 1000 lt IBC

Storage

: The product should be stored in original container and should be very well closed after using. Refer to MSDS document for more detailed information.