



Product Name:

BLCCI -100L (Corrosion Inhibitor)

BLCCI-100L is a broad-spectrum acid corrosion inhibitor specifically formulated for use in various industrial applications, such as acidizing, acid fracturing, and cleaning operations. Here are the key details:

Product Features:

- **Effective Against Corrosion:** Protects surface and downhole tubular goods and equipment used in acidizing operations.
- **Compatible with Various Acids:** Suitable for use in:
 - Hydrochloric acid (HCl)
 - Hydrofluoric acid (HF)
 - HCl/HF mud acids
 - Organic acids
- **High-Temperature Stability:** Functions effectively at temperatures up to 350°F.
- **Environmentally Considerate:** Does not contain organic halides or heavy metals that can harm process equipment or refinery catalysts.

Recommended Usage:

- **Mixing:** Add the product to the acid of choice and ensure thorough mixing.
- **Load Rates:** Dependent on several factors:
 - Acid concentration and type (e.g., HCl, HF, or blends)
 - Downhole temperature
 - The presence of other additives
 - The duration of acid exposure to tubulars

BLCCI-100L Load Rates (gallons per thousand):

Appearance	Liquid
Charge	Cationic
pH	2.5-3.5
Specific Gravity	1.03
Density (lbs/gal):	8.6
Product Handling	Available in 330-gallon totes

PRODUCT DATA BULLETIN

BLCCI -100L Load Rates (gallons per thousand)

Temperature (°F)	15% HCl (gpt PACI-100L)	28% HCl (gpt PACI-100L)
<150	1 Gallon	4 Gallons
150 – 175	2 Gallons	6 Gallons
175 – 200	4 Gallons	10 Gallons
200 – 250	4 Gallons	12 Gallons
250 – 300*	6 Gallons	15 Gallons
300 – 350*	10 Gallons	20 Gallons

**Lower load rates are possible with the use of an intensifier.*

BLCCI-100L used with 15% Hydrochloric Acid on N-80 Steel

Gpt PACI-100L	Gpt Intensifier	Test Time	Temp (°F)	Corr. Rate (#/ft ²)	Pit Index
1	0	24 Hrs	150	0.0135	0
2	0	24 Hrs	150	0.0081	0
2	0	16 Hrs	175	0.0048	0
4	0	16 Hrs	200	0.0136	0
4	0	6 Hrs	225	0.0140	3
4	0	6 Hrs	250	0.0158	3
6	0	6 Hrs	250	0.0133	1
6	30	6 Hrs	275	0.0143	1
6	40	6 Hrs	300	0.0217	1
10	60	6 Hrs	300	0.0176	0

BLCCI -100L used with 28% Hydrochloric Acid on N-80 Steel

Gpt PACI-100L	Gpt Intensifier	Test Time	Temp (°F)	Corr. Rate (#/ft ²)	Pit Index
1	0	24 Hrs	150	0.0135	0
2	0	24 Hrs	150	0.0081	0
2	0	16 Hrs	175	0.0048	0
4	0	16 Hrs	200	0.0136	0
4	0	6 Hrs	225	0.0140	3
4	0	6 Hrs	250	0.0158	3
6	0	6 Hrs	250	0.0133	1
6	30	6 Hrs	275	0.0143	1
6	40	6 Hrs	300	0.0217	1
10	60	6 Hrs	300	0.0176	0

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