

## BARREL BRINE

BARREL BRINE are flame-retardant glycol-based heat transfer fluids developed for use in a wide range of temperatures from low to 150°C. It maintains excellent metal corrosion resistance and antifreeze properties for a long time.

### 1. Features

(1) Flame retardant.

No flash point, safe to handle.

(2) High thermal efficiency.

Specific heat and thermal conductivity are high, and the heat transfer coefficient is higher than that of hydrocarbon heat transfer fluids.

(3) Wide operating temperature range.

Can be used in a wide temperature range from low temperature to 150°C (under pressure), and can be used as a transfer fluid for both heating and cooling.

(4) Excellent low temperature fluidity.

The pump can be started smoothly even in severe cold, and high horsepower is not required.

(5) Not corrosive.

Almost no corrosiveness to iron-based metal materials used in general industrial equipment.

### 2. Typical properties

Property		BARREL BRINE E	BARREL BRINE EP
Min. Temp.	°C	-30	-20
Max. Temp.	°C	150	150
Density 20°C	kg/m <sup>3</sup>	1,111	1,055
Flash Point (COC)	°C	none	none
Kinematic Viscosity 20°C	mm <sup>2</sup> /s	9.0	23.8
pH (undiluted solution)		10.8	12.4
Reserve Alkalinity (undiluted solution)		16	12
Water	wt%	18	18
Freezing Point	°C	-54	<-40
Boiling Point	°C	128	119

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