



# SHELL CALLINA™ FLUID 2100

## Cleaner/Rust preventative

### Product Description

Shell Callina Fluid 2100 is a mildly alkaline product specifically developed to replace nitrite-containing cleaner/rust preventatives. Shell Callina Fluid 2100 is a nitrite-free compound that will provide excellent protection on steel and cast iron substrates. Shell Callina Fluid 2100 can be used as a final rinse at low concentration or as a cleaner/inhibitor in one-stage operations.

### Applications

- process cleaner for steel and cast iron materials
- can provide some corrosion protection at low concentrations in one stage operations

Shell Callina Fluid 2100 is typically used at 0.5% to 5.0% by volume. The temperature of the cleaner can be ambient to 180°F depending on severity of soil. The cleaner can be applied by immersion, spray or hand wiped on the metal surface.

### Concentration determination

Using the 5 ml syringe, transfer 5 ml of bath sample into the plastic beaker and add 50 mls of water. Add 10 drops of Phenolphthalein Indicator. Add 0.5 N Acid, dropwise, into the beaker while shaking, until a pink to colorless change is observed. The number of drops times 0.172 is equal to the concentration of in % by volume.

**EXAMPLE:** No. of drops 0.5 N Acid = 5  
 $5 \times 0.172 = 0.86\%$  by volume

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### Typical Properties of Shell Callina Fluid 2100

	Test Method	
Product Code (drums)		5064248
Appearance	Visual	Clear yellow liquid
Odor		Mild
Specific Gravity, 60/60°F		1.12
Flash Point, °F	D 92	N/A
pH (Concentrate)		10.0
pH (5% Solution)		9.5
Foaming Tendency		None to low

### **Handling & Safety Information**

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet <http://www.equivashellmsds.com>. If you are a Shell Distributor, please call **1+800-468-6457** for all of your service needs. All other customers, please call **1+800-840-5737** for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.

NOTE: *"Read and understand all precautions on container labels before using this product."*

### **First Aid**

In case of contact with the skin, immediately flush the skin with plenty of water. In case of contact with the eyes, flush the eyes with plenty of water for 15 minutes and get medical attention.