



SHELL CALLINA™ FLUID 3120

High alkalinity cleaner

Product Description

Shell Callina Fluid 3120 is a strong, alkaline compound designed to clean heavy soils in immersion or spray systems. **Shell Callina Fluid 3120** does not contain silicates or other film forming materials which might interfere with subsequent operations. It is chelated to control scale build-up in wash systems. This product is suitable for use on steel but should not be used on galvanized surfaces. **Shell Callina Fluid 3120** can be used to etch surfaces of metals being processed.

Depending on the amount of cleaning required, **Shell Callina Fluid 3120** can be used at concentrations of 2-25% by volume in baths operated between 100-160°F. Contact time can vary between 30 seconds and 10 minutes.

To accurately control concentration, place 10 mL of the cleaning solution in a bath. Add 50 mL of water and 3-5 drops of Phenolphthalein Indicator. Titrate with 1.0 Normal Acid (HCl) until the color changes from red to colorless. Each milliliter of acid used is equivalent to 0.66% volume of **Shell Callina Fluid 3120**.

Applications

- dip tanks
- recirculating systems
- spray systems
- metal etching applications

Features/Benefits

- low foam
- high alkalinity for heavily soiled surfaces

Typical Properties of Shell Callina Fluid 3120

	Test Method	
Product Code (drums)		5064250
Appearance	Visual	Tan colored liquid
pH of Working Bath		13.5-13.9
Foaming Tendency		Low
Effect on Metal		
Steel		Suitable
Galvanized Surfaces		Not Suitable
Specific Gravity		1.47

First Aid

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

Handling & Safety Information

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <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/>.