

# SHELL CALLINA® Fluid 3250

## Spray cleaner

SHELL CALLINA® Fluid 3250 is a liquid alkaline compound specifically developed for spray cleaning operations. SHELL CALLINA® Fluid 3250 will not emulsify oil-containing compounds. SHELL CALLINA® Fluid 3250 is very effective in removing light to medium drawing and stamping compounds from ferrous and non-ferrous substrates.

SHELL CALLINA® Fluid 3250 is used at 0.5 to 10.0% by volume at temperatures of 130 - 180°F. Contact time is anywhere from 10 seconds to 15 minutes depending on application.

This cleaner is suitable for use with Carbon steel equipment. To use, fill the washer 3/4 full with water. Add the required amount of SHELL CALLINA® Fluid 3250. Fill to operating level with water and heat to operating temperature. Start the pump and circulate the solution for 5 minutes to ensure even mixing of the solution. Then start processing the parts.

To determine concentration of SHELL CALLINA® Fluid 3250, place a 4 ml sample of the bath in a flask and add 60 mls of water. Add 3 - 5 drops of Phenolphthalein Indicator. Titrate with 0.1 Normal Acid to the color change (pink to clear). Each drop of 0.1 Normal Acid used is equal to 0.11% by volume of SHELL CALLINA® Fluid 3250.

## Main Applications

- Spray cleaning operations
- Cleaning operations needed to remove light to medium duty lubricants from ferrous and non-ferrous substrates

Advice on applications not covered in this handbook may be obtained from your Shell representative.

## Handling and Safety Information

For information on the safe handling, storage, or use of this product, refer to its Material Safety Data Sheet at <http://www.epc.shell.com/>. If you are a Shell Distributor, please call 1+800-332-6457 for all of your service needs. All other customers please call 1+800-237-8645 for all of your service needs.

## Protect the Environment

Do not discharge into drains, soil, or water.

## Typical Physical Properties

SHELL CALLINA® Fluid 3250	Test Method	
Appearance	Visual	Clear, colorless liquid
Odor		Mild
pH		
Concentrate		12.8
Working Bath		12.0
Foaming Tendency		Low
Effect on Metals		Safe to use on most metals
Density, lbs/gal		9.12

*These characteristics are typical of current production. While future production will conform to Shell specifications, variation in these characteristics may occur.*