

SHELL CALLINA® Fluid 3100

Soak cleaner

SHELL CALLINA® Fluid 3100 is a liquid alkaline compound developed for immersion cleaning operations. SHELL CALLINA® Fluid 3100 is very effective in removing and emulsifying heavy lubricants on ferrous and non-ferrous substrates. SHELL CALLINA® Fluid 3100 should not be used in spray washers.

Performance Features and Benefits

- Safe on majority of metals helping to reduce inventory of cleaners required in shop
- Removes heavy lubricants helping to reduce rework and maximize shop efficiency

Main Applications

- Immersion cleaning operations on a wide variety of metals

SHELL CALLINA® Fluid 3100 should be used at a concentration of 1-5% by volume at a temperature of 160° - 200°F. The temperature and contact time with the metal should be determined based on the degree of cleaning necessary. To use, heat the water in the bath to 150° - 160°F. Add the required amount of SHELL CALLINA® Fluid 3100 with agitation. Heat the bath to the operation temperature and start processing the work.

To determine the concentration of SHELL CALLINA® Fluid 3100, place a 25 ml sample of the solution in a 250 ml flask. Add 3 - 5 drops of Phenolphthalein Indicator. Titrate with 0.1 Normal

Sulfuric Acid to the endpoint (red to colorless). Each ml of 0.1 Normal Sulfuric Acid used is equal to 0.33%, by volume, of SHELL CALLINA® Fluid 3100.

Note: Read and understand all precautions on container labels before using this product.

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 Characteristics

SHELL CALLINA® Fluid 3100		
Appearance	Visual	Dark Amber, Clear Liquid
pH of Concentrate		12.5
pH of working bath		11.0-12.0
Foaming Tendency		Heavy

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