

Emulsion Cleaner LC-3D

Emulsion Cleaner LC-3D is an organic solvent product, which may be mixed with water to form a low temperature emulsion cleaner. Emulsion Cleaner LC-3D is a blend of high-quality solvent and surfactants.

Emulsion Cleaner LC-3D was developed to remove metal fabrication oils, buffing compounds, drawing compounds and grease type soils from the following metals: ferrous metals, zinc die casting, brass alloys, aluminum alloys, copper, and lead alloys.

Emulsion Cleaner LC-3D, when mixed with water, can yield two types of emulsions – an invert (milky-white) or a two-phase type.

Mixing the Emulsion Cleaner LC-3D with warm water (110-130F) makes the invert. Mixing LC-3D with cold water makes the two-phase type.

Note: the exception to the above rule is a 50/50 solution of LC-3D made with cold water. In this case a milky-white, very fluid emulsion is formed. Usually, the invert emulsion is slightly viscous.

Features & Benefits

- Low temperature Emulsion Cleaner – energy saving.
- Exceptional penetrating and cleaning action.
- Non-corrosive to metals. Particularly desirable for pre-cleaning zinc base die-castings, aluminum, lead, and other metals easily stained by alkaline cleaners.
- Stable – stores indefinitely without decomposition.
- May be used as a concentrate or a 5 to 50% emulsion.
- Forms an emulsion film instantaneously on contact with water.
- Free rinsing – leaves work surface clean and free of gummy, sticky residues.
- Free of phenolic or chlorinated solvent.
- Simple to use – just immerse parts in heated steel tank or drum of lc-3d.
- May also be used in power washers.



Operating Conditions

The most desirable method of operating LC-3D is with air agitation. An air agitated solution will remove the oils and buffing compounds (especially impacted compound) and will maintain a homogenous solution. A two-phase solution, for some applications, may not clean as well. Therefore, it is always advantageous to have a homogenous solution or an emulsion.

Concentration	5 to 15% (volumes).
Temperature	room to 125 f. (52c).
Equipment	mild steel tanks, heating coils, etc.

Industrial Maintenance

To remove oil, grease and dirt from large areas which cannot be dipped in tanks, such as large machinery, or floors, spray, or brush cleaner on surfaces. Allow it to soak for ten to fifteen minutes or longer and flush with hot or cold water. For light accumulations of soil, the cleaner may be diluted one to five with water. The diluted cleaner is applied in the same manner as the undiluted material.

Waste Disposal

Incinerate under safe conditions or dispose of in accordance with local, state, and federal regulations.

Caution

Do not allow an open flame to come into contact with the LC-3D concentrate. Do not operate emulsion mixtures above 160 F in presence of open flames or any lighted material.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.



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Product Bulletin

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For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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