

RADIANT 130-L

RADIANT 130-L is a balanced blend of cleaning agents developed particularly for use in vibratory or centrifugal disc finishing using polyester resin media. At the recommended use dilution, will keep the media and parts clean and residue-free during processing and helps to prevent development of the heavy “shave cream” like foam that is often seen when processing with so called plastic media. The product will keep the processed liquid free flowing with no tendency to form the long-lasting media “fluff” that can clog waste lines. It will also keep the suspended abrasive solids from depositing on the vibratory walls as well as processed parts. Well suited for use in a “pre-plate” finishing application particularly with non-ferrous metals such as zinc die cast, brass and aluminum.

Features & Benefits

Low concentration use in conventional vibratory, closed and open tumbling as well as centrifugal disc finishing applications.	In combination with the finishing media, will remove surface oxide(s) to produce clean metal surfaces while keeping mass finishing media and parts clean
Safe and effective for use on most all metals	Particularly well suited for non-ferrous metals. Can be used with ferrous metals as well.

Physical Data

Appearance	Amber Clear Liquid
Odor	Faint
Compatibility	Avoid mixture with acids
Foaming tendency	Moderate
pH (neat) pH - 1.0%	10.2-10.6 8.3-8.5

Operating Conditions

Conventional Vibratory, Centrifugal Disc Finishing (with media)

	Range	Optimum
Concentration	1.0- 2.0 fl.oz./gallon (7.8 – 15.6 ml./L)	1.5 fl.oz./gallon (11.7 ml./L)
Temperature	Cold - Ambient	Cold
Time	As required	As required
Flow Rate	1.0-1.5 gals./hr./cu. Ft.	1.5 gals./hr./cu. Ft.

Open/Closed Tumbling (with media or part-on-part)

	Range	Optimum
Concentration	2.0- 5.0 oz./gallon (15.6 – 39.0 ml./L)	3.5 oz./gallon (27.3 ml./L)
Temperature	Cold - Ambient	Ambient
Time	As required	As required

Solution Make-Up:

In general, use of a metering pump to “dose” incoming water line(s) to the vibratory unit or centrifugal disc unit. See the manufacturer’s instructions for setting the pump to deliver the proper quantity of RADIANT 130-L based on the water flow rate to the process unit. It is important that the drain holes at the bottom of the vibratory unit are free flowing and remain free of any lodged media or part chips, etc. to minimize foam build up during processing. For open/closed tumbling, volume of product based on fixed water volume in the vessel.

Product Profile

Caustic (potash)	No
Phosphate	Yes
Silicate	No
Complexors	Yes
Chelates (EDTA, NTA types)	Yes

Recommended equipment – Conventional bowl/tub vibratory units with polyurethane lining. Centrifugal disc finishing units. Open/closed tumbler – recommend stainless steel or polyethylene barrels (unheated process)

Waste Disposal

RADIANT 130-L and its working solutions are close to neutral. Waste streams from mass finishing with polyester resin media may contain dissolved metals from the vibratory tumbling process along with undissolved abrasive solids. Therefore, additional treatment of the solution may be required to meet discharge requirements. Consult local water treatment authorities for regulations governing your waste stream.

Caution

RADIANT 130-L is mildly alkaline "as supplied". Consult RADIANT 130-L SDS sheet before handling this product. It should be handled with all the safety precautions associated with alkalis.

Hazard Classification

DOT Hazard Class	Not Classified
DOT Shipping Name	NA
UN Number	NA
Packaging Group	NA
ERG	NA

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Our People. Your Problem Solvers.

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

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