



Product Data Sheet

Deltacast™ CP-593 HM

Pressure Diecasting Release Agent

DESCRIPTION	Deltacast CP-593 HM is a state-of-the-art Pressure Diecasting Release Agent supplied in concentrated form.	
BENEFITS	<ul style="list-style-type: none">- Release. Deltacast CP-593 HM gives superb release, particularly of heavy section castings.- Wetting. Deltacast CP-593 HM exhibits excellent wetting characteristics at high die temperatures.- Efficiency. Combining the superior wetting and release characteristics allows for a reduced lubricant consumption with the subsequent economic and environmental benefits.- Paintability. When used correctly, Deltacast CP-593 HM allows unhindered use of subsequent painting and plating operations.- Hard Water Stability. In all but the most extreme cases, Deltacast CP-593 HM is hard water stable.- High Shear Stability. Deltacast CP-593 HM has been formulated to give improved stability under the shearing conditions encountered in modern dilution and central-supply equipment	
TYPICAL APPLICATIONS	Pressure Diecasting of Aluminium and Magnesium alloys. Deltacast CP-593 HM is particularly suited to the production of Engine Blocks, Gearbox Housings and similar heavy castings.	
PHYSICAL PROPERTIES (as supplied)	Pigment :	none
	Carrier :	water
	Diluent :	water
	Appearance :	Low viscous white fluid
	Solids content :	29%
METHOD OF USE	Dilution & Mixing Deltacast CP-593 HM is supplied as a concentrate to be diluted before use, allowing flexibility and economy of use. It is diluted with water, with the ratio determined by the conditions of use and the degree of die cooling required. The usual dilution range is 1:160 to 1:240. Deltacast CP-593 HM does not require agitation to ensure continued homogeneity in it's diluted state. Application Deltacast CP-593 HM should be applied by spray technique. Acheson can supply a full range of application equipment, from Dag® 087 handguns to fully automatic Dag 1000 FCT linear reciprocators and RoboSpray™ robot based systems, all engineered to allow Deltacast CP-593 HM to perform at it's best and to be robust enough for the foundry environment. Details can be obtained on request.	
STORAGE/ HANDLING	<ul style="list-style-type: none">- 24 months from date of qualification (under original seal).- Store Deltacast CP-593 HM in a cool place, but do not allow it to freeze. Product should not be used once frozen.- Storage in direct sunlight may overheat Deltacast CP-593 HM and impair performance.- Always tightly reseal the container to prevent evaporation or contamination.	
HEALTH & SAFETY	Please consult Material Safety Data Sheet.	
NOTES	Deltacast™ is a trademark of Henkel AG & Co KGaA.	

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