



Product Data Sheet

Deltacast® CP-747

Pressure die casting release agent

DESCRIPTION

Deltacast CP-747 is an exceptional release agent for the pressure die casting market. It is supplied as a concentrate.

BENEFITS

- Release
Deltacast CP-747 excellent release qualities are perfectly suited for almost any type of castings, particularly heavy, long and thick-walled castings, such as gearboxes and engine blocks.
- Wetting
Using the best of Acheson technologies, **Deltacast CP-747** has superb wetting characteristics at high die temperatures.
- Efficiency
Due to its superb release and wetting capabilities, **Deltacast CP-747** can be used at very high dilution ratios, leading to reduced lubricant consumption and lower costs.
- Paintability
When applied appropriately, the use of **Deltacast CP-747** enables easy subsequent painting and plating operations.
- Hard Water Stability
In all but the most extreme cases, **Deltacast CP-747** is hard water stable.
- High Shear Stability
Deltacast CP-747 has been formulated to give improved stability under the shearing conditions encountered in modern dilution and central-supply equipment.
- Less Staining
As the demand for cleaner castings grows, **Deltacast CP-747** is capable of delivering cleaner casting consistently, thus reducing scrap rate and costs.

TYPICAL APPLICATIONS

Pressure die casting of aluminium and magnesium alloys.

PHYSICAL PROPERTIES (as supplied)

Appearance :	Off-white, low viscous fluid
Pigment :	none
Carrier :	water
Diluent :	water
Density :	988 kg/m ³
Solids Content :	19%-21%
Shelf Life :	24 months from date of qualification under original seal

METHOD OF USE

- Dilution
Deltacast CP-747 is a concentrate to be diluted with between 110 and 160 parts of water to 1 part of product. In practice, even higher dilution ratios might be obtained. Dilution ratios depend upon the severity of the job, temperature of the dies to be treated and the degree of cooling required.
For dilution it is sufficient to fill a tank with water and then add **Deltacast CP-747**. Diluted **Deltacast CP-747** does not require agitation to ensure its homogeneity. Normal water hardness will not affect the stability and performance of the product.
- Handling
Deltacast CP-747 is a label free product and does not require any extra handling precautions.
- Application
Deltacast CP-747 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-747** to perform at it's best and to be robust enough for the foundry environment. Details can be obtained on request.

- Disposal

Spills should be collected and mopped up with absorbent material.

Deltacast CP-747 may be removed from waste water by chemical and/or ultra filtration methods. Detailed information regarding method of removal and disposal of residues may be obtained from our technical support departments.

STORAGE/ HANDLING

- 24 months from date of qualification (under original seal).
 - Store **Deltacast CP-747** 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-747** 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 registered trademark of Henkel AG & Co KGaA.

North America

Henkel Corporation
32100 Stephenson Highway, Madison Heights, MI 48071
USA
Tel +1 248 583-9300
Fax +1 248 583-2976

Asia Pacific

Henkel Asia-Pacific
928 Zhangheng Road, Pudong, Shanghai
201203 China
Tel +86 21 2891 8000
Fax +86 21 2891 8971

Latin America

Henkel Ltda.
Rua Howard A. Acheson Jr., 279
06711-280 - Jardim da Gloria, Cotia - SP
Brasil
Tel +55 11 2246 8500
Fax + 55 11 2246 8528

Europe, Middle East, Africa

Henkel Nederland Acheson B.V.
Postbox 1, 9679 ZG Scheemda
the Netherlands
Tel +31 (0) 597-670500
Fax +31 (0) 597-670599



Henkel is dedicated to meeting the needs and expectations of customers without compromising its commitment to sustainability. Henkel supports sustainability through its continuous efforts to improve the safety, health and environment of the communities in which it operates. For detailed information on Henkel's sustainability program, visit www.achesonindustries.com. The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made. In every case we urge and recommend that purchasers, before using any product in full scale production, make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. No representative of ours has any authority to waive or change the foregoing provisions but, subject to such provisions, our engineers are available to assist purchasers in adapting our products to their needs and to the circumstances prevailing in their business. Nothing contained herein shall be construed to imply the non-existence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without the authority from the owner of this patent. We also expect purchasers to use our products in accordance with the guiding principles of the American Chemistry Council's Responsible Care program.