


## DATA SHEET

Rev. 00 dated 24/06/2021

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## B-TECH RELEASE 75

**Release agent for high pressure  
die-casting of Aluminium alloys.**

<b>DESCRIPTION</b>	Compound of completely synthetic lubricating release agents and polymers in water emulsion.  Die-casting release agent for Aluminum alloys.   Contains: synthetic polymers and lubricants, anionic and non-ionic surfactants, additives, biocide, water.
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<b>TECHNICAL DETAILS</b>	<i>Physical form:</i> liquid	<i>Density (20°C):</i> approx. 0.99 g/ml
	<i>Colour:</i> white	<i>Flammabil.:</i> not flammable
	<i>Odour:</i> light, typical	<i>Miscibility:</i> miscible in water
	<i>pH (pure) :</i> approx. 9.5	


<b>SPECIFICATIONS</b>	TEST	METHOD	STANDARD LIMITS
	Appearance	Vis. (AO/1)	white liquid
	pH (pure prod.)	Ind. strip (PM/2)	8.0 – 9.0
	Chem-phys. stability	Centrif. A (SE/4)	creaming max 5% settling max 1%

<b>CHARACTERISTICS</b>	<p>B-TECH RELEASE 75 ensure the following properties:</p> <p> Specially studied for the production of pieces for automotive sector both in Aluminum and Magnesium alloys.</p> <p>It ensures elevated protection of ejectors and moving cores together with excellent surface finishing of pieces.</p> <p> B-TECH RELEASE 75 provides outstanding performance in the production of massive pieces without causing fouling of the low-temperature mold. The product gives fluidity to the molten alloy and a good surface finish of the parts.</p> <p> Low environmental impact product. The product does not contain solvents, alkyl phenols or other harmful substances.</p>
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## HOW TO USE

 Dilute with automatic mixer, or pour the product into water: the blending is immediate and it is not necessary to shake the product during the use. Avoid to dip contaminated pipes into the concentrated product.

 Dilution recommended:  $1.0 \div 2.5\%$  by weight of product diluted in water.


The best usage dilution depends on the specific mold, on its range of temperature and on many other parameters. The right dilution ratio must be determined by means of empirical tests.

Do not stir the diluted product. Do not blow air into the bulk.


 Apply the diluted product with manual or automatic spraying system at a pressure of 4 - 6 atm at a distance of maximum 25 cm between the figure and the nozzles.

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## STORAGE

 Avoid storage with exposure to direct sunlight. Do not store near heating sources. Store at temperatures below +35°C.

 Store at temperature above +5°C.

 Shelf life: not less than 12 months, in the original packaging. Keep closed containers. After a long storage, over 4 months, stir briefly the product in its original container before use.

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## PACKAGING



Drums: 200 Kg Net

Tanks: 1000 Kg Net (cube)

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## FURTHER INFORMAT.

Like for all die lubricants of the CASTING series, the casts obtained with this product are "paintable". It is advisable, however, to carry out preventive tests on the castings produced in the specific application conditions.

For information regarding safety, transport and disposal, refer to the Safety Data Sheet of the product.

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The data in this technical information sheet correspond to the properties of the product at the time of the sale and with regard to the specified application. It is on the responsibility of the user to make sure that the product is suitable for the use to which he intends to destinate it.