

## TECHNICAL DATA SHEET

**B-TECH RELEASE 34****Water based release agent for high pressure die-casting of aluminum alloys****DESCRIPTION**

Aqueous emulsion of precious active ingredients, synthetic and of natural origin. Release agent for high pressure die-casting of aluminium alloys.

**TECHNICAL DETAILS**

<i>Physical form:</i>	liquid	<i>Density (20°C):</i>	approx. 0.991 g/ml
<i>Colour:</i>	white	<i>Flammabil.:</i>	not flammable
<i>Odour:</i>	characteristic	<i>Miscibility:</i>	miscible in water
<i>pH (pure) :</i>	8.5		

**SPECIFICATIONS**

TEST	METHOD	STANDARD LIMITS
Appearance	Vis. (AO/1)	white liquid
pH (pure prod.)	Ind. strip (PM/2)	8.0 – 9.5
Chem-phys. stability	Centrif. A (SE/4)	creaming max 5% settling max 1%

**CHARACTERISTICS**


☒ The composition of B-TECH RELEASE 34, rich in lubricating ingredients, ensures an excellent lubrication of ejectors and moving cores.


☞ B-TECH RELEASE 34 has been specially studied for high weight castings like those for the automotive sector. It is also suitable for average to small weight castings too, as it does not leave residues even at the lower range of die temperature.

☞ B-TECH RELEASE 34 reduces the tendency of water scale forming, even with high hardness water.

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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 stir the product during the use. Avoid to dip contaminated pipes into the concentrate product.

 The suggested dilution percentage is:  $1.0 \div 3.0$  % of the product weight in water.


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

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


 Apply the diluted product with manual or automatic spraying system.

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**STORAGE**

 Avoid storage with exposure to direct sunlight. Do not store near heating sources. Store at temperatures below +40°C.

 Store at temperature above +5°C.

 Shelf life: 12 months, in the original unopened packaging. Keep closed the containers in order to avoid water evaporation and contamination of the product. In case of prolonged storage (above 4 months) stir briefly the product in its container before using.

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**PACKAGING**

Drums: 200 Kg Net      Tanks: 1000 Kg Net (IBC)

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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 apply it.