

DATA SHEET

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B-TECH FORGE 09

Heavy duty lubricating release agent for warm and hot forging of steel

DESCRIPTION Water based, pigment-free lubricating release agent, used for warm and hot-forging of Steel and for other metal forming applications.


TECHNICAL DETAILS	<i>Physical state:</i>	liquid	<i>Density (20°C):</i>	1.16 g/ml
	<i>Colour:</i>	colourless to pale yellow	<i>Flammability:</i>	non-flammable
	<i>Odour:</i>	very mild	<i>Solubility:</i>	water, in all proportion ratios
	<i>pH (pure):</i>	9.75		


SPECIFICATIONS	TEST	METHOD	STANDARD LIMIT
	Appearance	Visual (AO/1)	colourless to yellowish liq.
	pH (pure)	Potentiom. (PM/1)	9.0 - 10.5
	Density (20°C)	Densim. (DE/2)	1.15 – 1.17 g/ml


CHARACTERISTICS

- ✓ Excellent parting and releasing power at very high temperature.
- ✓ Improvement of the plastic deformation of metal alloys, allowing a reduction of die wear in warm and hot forging of steel and in flow forming of Aluminium alloys.
- ✓ Elevated sticking capacity by spray application of the droplets on very hot surfaces.
- ✓ Solid residue easily washable by a jet of water leaving the dispensers and cold parts of the machine perfectly clean.
- ✓ Non-flammable product, no hazardous fumes development during use.

HOW TO USE


 To dilute the product, add water and stir carefully.


 The approximate usage concentration ranges between 10% (1:9) and 50% (1:1) by weight. The optimal concentration has to be determined by experiments on the basis of the process, mold temperature and application system.

 Apply the diluted product by atomizing spraying system.
Spray for a time long enough to coat the entire surface treated with a very thin and homogeneous whitish layer of product.

STORAGE

 Avoid long storage under the sun.

 It can stand the cold. Pour point: approx. - 9 °C. Even in case of freezing, the product is completely and perfectly restored if left to stand in a heated interior.

 Shelf life: not less than 18 months, in original containers.

PACKAGING

Pails: 20 Kg net weight
Drums: 220 Kg net weight
IBC: 1100 Kg net weight

FURTHER INFORMAT.

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

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.