

# TECHNICAL DATA SHEET

## Ignition mixtures

Specifications B/ $\text{KNO}_3$ standard mixtures				
Properties	Dim.	Nigu IM1	Nigu IM1 / 1	Nigu IM2
<b>Boron (95-98%)</b>	%	23.0 – 29.0	23.0 – 29.0	18.0 – 21.0
<b>Potassium Nitrate</b>	%	71.0 – 77.0	71.0 – 77.0	52.5 – 57.0
<b>Potassium Perchlorate</b>	%	—	—	14.5 – 17.5
<b>Aluminum</b>	%	—	—	7.25 – 10.25
<b>Binder</b>	%	—	—	1.0 – 1.2
<b>Volatiles</b>	%	max. 0.5	max. 0.5	—
<b>Moisture</b>	%	max. 0.5	max. 0.5	max. 0.2
<b>Heat of Explosion</b>	J/g	6900 1·10 <sup>5</sup> Pa; Air	6900 1·10 <sup>5</sup> Pa; Air	7825 1·10 <sup>5</sup> Pa; Air
<b>Bulk Density</b>	g/cm <sup>3</sup>	min. 0.83 special apparatus	min. 0.83 special apparatus	min. 0.90 special apparatus
<b>Rub-Off Strength</b>	%	max. 10	max. 10	max. 15
<b>Particle Size</b>	%	min. 97 0.9 – 2.0 mm	min. 97 0.4 – 1.0 mm	min. 97 0.3 – 0.8 mm

Other compositions and particle sizes available on request.

**Packaging:** Usually 1 kg containers. 3-6 containers per carton

**Storage Conditions:** Keep at ambient temperature and at a dry place. See also MSDS.

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**Edition: 01/22 (This data sheet supersedes all previous data sheets for this product)**