

## TIB<sup>®</sup> Potassium Hexahydroxostannate, cryst.

Product data	
Chemical formula	$K_2[Sn(OH)_6]$
Chemical name	Potassium hexahydroxostannate (Potassium stannate trihydrate)
Molecular weight	298.9 g/mol
Density (20°C)	3.2 g/cm <sup>3</sup>
Bulk density	1.4 kg/l approx.
Solubility	soluble in most diluted alkalihydroxide solutions
Delivery form	solid, crystalline
Colour	white

Analysis		
	Specification	Typical value
$K_2[Sn(OH)_6]$	96 % min.	≈ 97 %
Total tin content	38 % min.	≈ 38.5 %
H <sub>2</sub> O	< 4 %	≈ 2 %
K <sub>2</sub> CO <sub>3</sub>	< 2 %	≈ 1 %
KOH	< 1.2 %	≈ 0.5 %
insoluble comp.	< 0.1 %	
other elements	< 0.1 %	

### Application

Electroplating industry:  
- for metal surface treatment in stannate electrolytes

Automotive industry:  
- for electroless tin plating of aluminium;  
especially for tinning pistons

### Storage

Potassium hexahydroxostannate, crystalline has a shelf life of min. 2 years if stored correctly in dry areas and in its original closed packaging.

### Packaging

25 kg plastic drum,  
other packaging available upon request.

### Information concerning

- classification and labelling according to the regulations governing transport and hazardous chemicals
- protective measures for storage and handling
- safety measures in case of accident and fire
- toxicity and ecological effects

is given in our safety data sheet.

**Customs Tariff No.: 2841 9085**

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