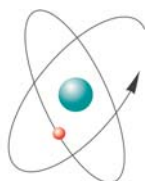


RESOURCE CHEMICAL LTD

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RESOURCE

Web page: www.resourcechemical.co.uk
 E-mail: sales@resourcechemical.ltd.uk

MATERIAL SPECIFICATION

Product name: Cryolite, Synthetic Powder
Product Code: 2590
Formula: Na₃AlF₆
Molecular weight: 209.94
CAS. Nr: 15096-52-3

Parameter	Unit	Specification	
		Min	Max
Physical properties			
Appearance		White powder	
Density	g/cm ³	2.95	
Bulk density	g/l	500-700	
Melting point	°C	1027	
Solubility in water @ 20°C	g/l	0.42	
pH value		Approx 6	
Surface area	m ² /cm ³	Approx 1	
Particle size distribution			
Retained on 8-20 µm	%	50	
Typical analysis			
Na	%	30.5	31.5
Al	%	12.0	13.0
F	%	53.0	
Fe ₂ O ₃	%		0.1
SO ₄	%		0.5
SiO ₂	%		0.25
P ₂ O ₅	%		0.03
Cl	%		0.1
Pb	%		0.0005
H ₂ O	%	Approx 1	

Packaging

- Multiple paper bags with PE coating, 25 / 50 KG net weight

Classification

- CAS Nr: 15096-52-3 No dangerous good according to current regulations.
- HS Nr: 28.26.30.000 Safety precautions and additional information please find in material safety data sheet



BCDTA

Application

- Aluminium-metallurgy

As compound of fluxing agents, protective and refining salts

- Production of abrasives

As active filler in resinbonded abrasives for metal treatment

- Production of enamel, glazing frits and glass

As flux and opacifying agent

- Production of soldering agents

As component for fluxing agents

- Production of welding agents

As component of welding rod coating and welding powders

- Blasting and pyrotechnics

For fireworks

- Metal surface treatment

As component in pickling pastes for stainless steel

Faxed 16.09.1999

Checked 11.11.08