

CRYOLITE U/F

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DESCRIPTION

CRYOLITE U/F, also referred to as Sodium Hexafluoroaluminate (Na_3AlF_6), is a synthetic cryolite, distributed by Washington Mills, which closely approximates the performance of natural Greenland cryolite.

APPLICATIONS

AUTOMOTIVE – for use in brake pad linings

COATED ABRASIVES – active filler in coated abrasives

ENAMEL & GLASS FRITS – a flux and opacifying agent

ALUMINUM - METALLURGY – component of fluxing agents, protective and refining salts

BLASTING & PYROTECHNICS – for fireworks

PRODUCTION OF WELDING AGENTS – component of welding rod coatings and welding powders

PRODUCTION OF SOLDERING AGENTS – component of fluxing agents

TYPICAL CHEMICAL ANALYSIS

Na	Max. 33%
Al	Min. 12.5%
F	Min. 52.5%
Fe_2O_3	Max. 0.02%
SO_4	Max. 0.2%
SiO_2	Max. 0.8%
P_2O_5	Max. 0.2%
H_2O	Max. 0.05%
L.O.I. (550° C 2 hours)	Max. 1.5%

TYPICAL PHYSICAL PROPERTIES

Appearance	White powder
Specific Gravity	2.90
Bulk Density	0.5 kg / l
Melting Point	1025°C
Solubility (25° C)	0.039g dissolve in 100g H_2O ; dissolves to 0.38% in HCl (1.5%)

TYPICAL PARTICLE SIZE DISTRIBUTION

Passing 270 Mesh 100%

Passing 325 Mesh 96% minimum

SAFETY REMARKS

Consult appropriate MSDS.

Avoid inhalation

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.