

Product data

AluSAL

Sodium Aluminate 38%

Product Description	Possibilities of application	Physical / Chemical Analysis														
<p>AluSAL is a solution of $\text{Na}_2\text{Al}_2\text{O}_4$ with a $\text{Na}_2\text{O}/\text{Al}_2\text{O}_3$ Mole Ratio of typically 1.51.</p> <p>AluSAL is an economical source of high reactive aluminium of high purity.</p> <p>AluSAL is a transparent yellowish liquid.</p> <p>AluSAL is produced by reacting alumina hydroxide with sodium hydroxide. Our unique manufacturing process produces a material that is free of precipitates. This means that AluSAL is stable over a wider range of handling and storage conditions.</p> <p>Viscosity:</p> <table border="0"> <tr><td>25 °C</td><td>130 cP</td></tr> <tr><td>16 °C</td><td>350 cP</td></tr> <tr><td>8 °C</td><td>730 cP</td></tr> <tr><td>0 °C</td><td>2,030 cP</td></tr> <tr><td>-5 °C</td><td>3,900 cP</td></tr> <tr><td>-10 °C</td><td>8,100 cP</td></tr> <tr><td>-11 °C</td><td>9,800 cP</td></tr> </table>	25 °C	130 cP	16 °C	350 cP	8 °C	730 cP	0 °C	2,030 cP	-5 °C	3,900 cP	-10 °C	8,100 cP	-11 °C	9,800 cP	<p>Water treatment Wastewater treatment Paper production Pigment industry Production of catalysts Pharmaceutical industry</p> <p>Precautions</p> <p>AluSAL can degrade aluminium, copper, brass, chromium and electroplated items. Pumps and the like should be made of artificial material, iron or steel.</p> <p>AluSAL must not come in contact with water before processing because of risk of precipitation.</p> <p>Never apply air pressure to delivery containers or storage tanks, because air in the product can make it precipitate.</p> <p>Read the Material Safety Data Sheet (MSDS) before using the product.</p>	<p>CAS no.: 1302-42-7</p> <p>Al / Na-content: (analysed by fully automatic titration)</p> <p>Al^{+++}: 10.5 ^{W/w} % ± 0.5 Al_2O_3: 19.9 ^{W/w} % ± 1.0 Na_2O: 18.3 ^{W/w} % ± 1.0</p> <p>Appearance: Transparent Bulk density (20 °C): 1.45 kg/l ± 0.02 pH (20 °C): 12.5 ± 1</p> <p>Heavy metals (≤): Antimony (Sb) 0.0011 mg/kg Arsenic (As) 0.0027 mg/kg Cadmium (Cd) 0.00029 mg/kg Chromium (Cr) 0.11 mg/kg Cobalt (Co) 0.0030 mg/kg Copper (Cu) 0.0034 mg/kg Lead (Pb) 0.00069 mg/kg Mercury (Hg) 0.00034 mg/kg Nickel (Ni) 0.0041 mg/kg Selenium (Se) 0.034 mg/kg Zinc (Zn) 6.9 mg/kg</p>
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