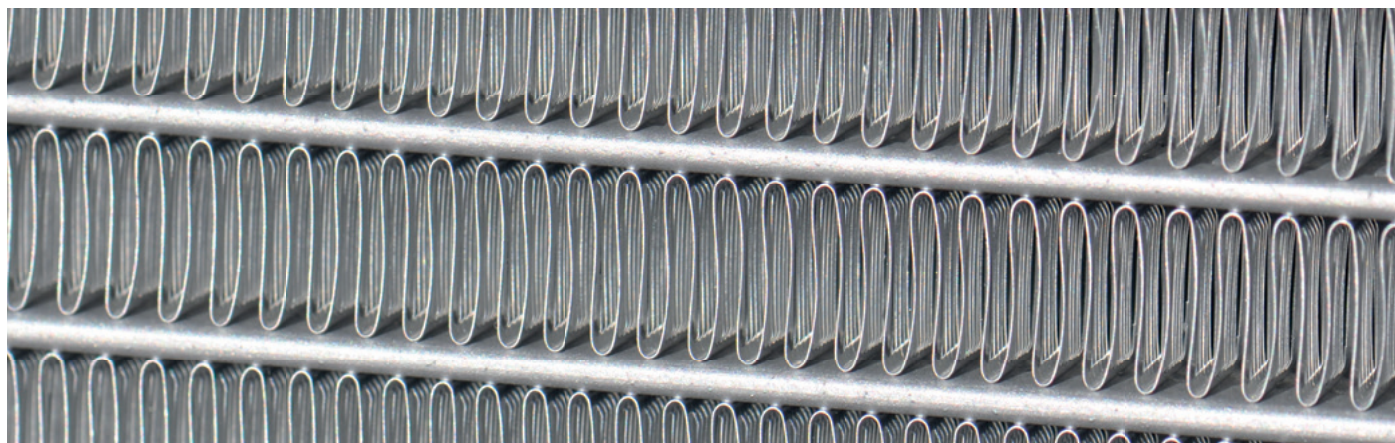


# Aluminium Brazing Fluxes Product Range

Honeywell Fine Chemicals offers a wide, specialised range of high purity fine chemicals for aluminium brazing:

		KAlF <sub>x</sub>	CsAlF <sub>x</sub>	ZnF <sub>2</sub>	LiF	KF	NaF	Li <sub>3</sub> AlF <sub>6</sub>	Na <sub>3</sub> AlF <sub>6</sub>	K <sub>3</sub> AlF <sub>6</sub>	K <sub>2</sub> TiF <sub>6</sub>
FLUXING AGENTS	Standard aluminium-brazing flux	X									
	Aluminium-brazing flux for high magnesium containing alloys	X	X								
	Low-melting flux for flame brazing	X	X	X							
	Non-inhalable dust grades	X	X								
FLUX FORMULATIONS	Powder blends	X	X								
	Flux suspension	X	X								
	Paint flux	X	X								
	Flux paste	X	X								
	Brazing paste	X	X								
ADDITIVES FOR:	Aluminium alloys containing magnesium		X		X						
	Optimize melting behaviour				X		X	X			
	Reduce residue solubility				X					X	
	Improve oxide solubility									X	
	Reinforced aluminium-matrix composites										X
	Corrosive fluxes				X	X	X				

Honeywell Fine Chemicals product portfolio is constantly expanding to complement the existing range of high quality, consistent and reliable fluxes to serve customers in the aluminium brazing industry.



We are producing fluoroaluminates of potassium and cesium, which are key active components in aluminium brazing fluxes. Features of Honeywell potassium fluoroaluminate include:

- Uniform amorphous and less abrasive morphology
- High reactivity with aluminium oxide
- Low melting point
- Controlled and narrow particle size distribution
- Excellent free-flowing and non-settling properties

	MELTING POINT	PARTICLE SIZE		pH VALUE	LOSS OF DRYING	ASSAY			
		(d50)	(d95)			F	Al	K	Cs
<b>POTASSIUM FLUOROALUMINATE</b>									
<b>Coarse (#01734)</b>	549 – 560 °C	12.5 – 16.0 µm	>35 µm	5 – 7.5	max. 2.5 %	47 – 53 %	14 – 18 %	27 – 39 %	-
<b>Medium (#01732)</b>	549 – 560 °C	10.5 – 12.5 µm	25 – 35 µm	5 – 7.5	max. 2.5 %	47 – 53 %	14 – 18 %	27 – 39 %	-
<b>Fine (#01740)</b>	549 – 560 °C	9 – 11 µm	20 – 25 µm	5 – 7.5	max. 2.5 %	47 – 53 %	14 – 18 %	27 – 39 %	-
<b>Ultrafine (#01738)</b>	549 – 560 °C	<9.5 µm	<20 µm	5 – 7.5	max. 2.5 %	47 – 53 %	14 – 18 %	27 – 39 %	-
<b>CESIUM FLUOROALUMINATE</b>									
<b>Fine (#01742)</b>	< 445 °C	< 11 µm	20 – 25 µm	5 – 7.8	max. 2.5 %	28 – 33 %	8 – 12 %	-	57 – 62 %
<b>High Cs (#01735)</b>	> 470 °C	< 30 µm	20 – 100 µm	6 – 8	max. 2.5 %	18 – 24 %	7 – 11 %	-	57 – 65 %
<b>N (#01773)</b>	< 445 °C	< 9.5 µm	20 – 25 µm	5 – 7.8	max. 2.5 %	28 – 33 %	8 – 12 %	-	57 – 62 %
<b>S (#01799)</b>	< 445 °C	< 30 µm	20 – 100 µm	5 – 7.8	2.5 – 12.5 %	28 – 33 %	8 – 12 %	-	56 – 62 %

Honeywell Fine Chemicals brazing fluxes can help you improve brazing performance, stabilise your brazing process, increase manufacturing efficiency and lower costs.



**RESPONSIBLE CARE**<sup>®</sup>  
OUR COMMITMENT TO SUSTAINABILITY

## For more information please visit our website

[www.honeywell-brazingsolutions.com](http://www.honeywell-brazingsolutions.com)

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