

## Granulated flux for refining and De-Ca/Na

The raw materials for Granulated refining flux are anhydrous magnesium chloride and potassium chloride. Compound of the materials are melted into fused flux in the temperature of 650-760°C. Process the fused flux through centrifugal effect and spherical granules in the size of 1-5mm are produced. The product demonstrates better and faster effect on refining. Its green and powder-free characteristics ensure its competence of being the upgrade product for the previous like products. Originated with Hunan Heaven Materials , granulated refining flux has been tested and proved perfectly effective by many user companies

### Specification:

1. Function: Removal of alkali metals (Sodium, Calcium and Lithium), non-metallic inclusions & Hydrogen during melting and foundry of Aluminum and Aluminum alloys, especially Al/Mg alloys.
2. Composition: KMgCl<sub>3</sub>, K<sub>2</sub>MgCl<sub>4</sub>, K<sub>3</sub>Mg<sub>2</sub>Cl<sub>7</sub>
3. Melting point: 432°C
4. Material proportion: Mg Cl<sub>2</sub>: KCl =43:57 or 40:60 is recommended. Proportion can be adjusted according to customer request.
5. Standard Granularity: 0.2-3.5mm. Granularity can be adjusted according to customer request.
6. Color: Light yellow or light grey.
7. Packing: 1-1.15ton/bag (20-23tons/container) is recommended. Packing can be done based on customer request.
8. Instruction: When the temperature of the melting reaches 680-700°C, add the granulated flux and place it on the surface. Use electromagnetism blender to stir the liquid aluminum. The product can cover, protect and clean aluminum, aluminum alloys and Al/Mg alloys during melting, minimizing the loss by oxidation.
9. Dosage: Usual application rate is 0.5-3% by weight.

### Advantage:

- ※ Spherical granule creates good fluidity.  
The product can be used by jet aircraft.
- ※ Free of fluoride and hazardous compound.  
Meet the needs of going green much better.
- ※ Prevents the furnace wall build-up.
- ※ Replaces Cl<sub>2</sub> in the reverberator, tilter and large electric resistance furnaces for its refining function.
- ※ Low melting rate
- ※ Enhances extrusion speed and prolongs mould life.

