

# The Schaefer Group, Inc

## Product Data Sheet

### Schaefer Super Cover Salt (Refining and Metal Cleaning Flux)

#### SGI Flux Benefits

Reduced Melt Loss  
Reduction of Inclusions  
Improved Fluidity  
Improved Melt Efficiency  
Less Furnace Cleaning Time  
Lower Hydrogen  
Replace Chlorine  
Reduce Stack Emissions  
Improved Edge Quality  
Improved Die Life  
Non-Hazardous Compound

#### Flux Training

The Schaefer Group can provide the proper SGI Flux recommendation for your application, as well as the proper techniques and training of your furnace tenders.

Furnace operators that have been properly trained and given the correct flux and tools to use will reduce the time needed to clean the furnace as well as reduce the damage to the refractory lining.

#### Furnace Tools

Contact a Schaefer Group representative for a complete list of tools available to properly maintain your furnace.

#### Aluminum Furnaces

The Schaefer Group Schaefer's Super Cover Salt is designed for the removal of alkali metals as well as nonmetallic inclusions from liquid aluminum. It is highly effective in production of high magnesium alloys and foundry alloys where strontium modification is required. Schaefer Super Cover Salt can be used in melting and holding furnaces and delivered by broadcast, injection or in-line injection. It is a fused granular (magnesium chloride and potassium chloride) flux with a low melt point (<480 °C) which allows for the quick removal of calcium, sodium and lithium from your metal and refractory furnace linings. It is an excellent alternative to chlorine injection. Works well as a cover to protect the metal from hydrogen pick up and oxide growth.

#### CHARACTERISTICS

**Color:** Gray/off white  
**Form:** Granular

Schaefer Super Cover Salt is sized to allow efficient and faster melting.

#### STORAGE & HANDLING

Store in a dry location, away from intense heat. Storage in original packaging is recommended to minimize moisture content and contamination. Schaefer Super Cover Salt is hygroscopic and should be stored in a dry location.

#### PACKAGING

→ Standard Packaging:

- 500lb Drums – Loose or 10lb plastic bags
- 2,000lb boxes of 25lb plastic bags

→ Custom Packaging available upon request.

#### METAL TREATMENT

Application amount will be determined by the amount of aluminum to be treated and the level of alkali metals present.

The typical application will be within 6 oz to 1 pound / per 1000 lbs. of metal charged. The exact amount needed will vary with the specific conditions of each unique furnace/process. A representative from The Schaefer Group can help determine the correct dosage.

Reactivity and Reaction time will vary with application rate furnace temperature and furnace size. Please contact a representative from The Schaefer Group for detailed furnace cleaning help and training opportunities.

#### HEALTH & SAFETY

Dust and Fumes can cause irritation to the nose, throat, and lungs. Refer to SDS for safe handling and First Aid information prior to use.

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