

# The Schaefer Group, Inc

## Product Data Sheet

### SGI-101

#### SGI Flux Benefits

Reduced Melt Loss  
Reduction of Inclusions  
Improved Fluidity  
Improved Melt Efficiency  
Less Furnace Cleaning Time  
Lower Hydrogen

#### 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 SGI-101 is a multi-functional flux which can be used as a broadcast flux or injected as a desludging flux. SGI-101 is designed to melt and react at furnace temperature ranges from 680-760°C (1250-1400°F). It is effective in the reduction of metal oxidation and the cleaning of the aluminum by the removal of non-metallic inclusions.

#### CHARACTERISTICS

**Color:** gray to white

**Form:** Granular

SGI-101 is sized to minimize product segregation allowing for more 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.

#### 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 the typical application will be within 8oz to 1 pound / per 1000 lbs. of metal.

Broadcast the SGI-101 on to the metal surface using a flux gun or by manually tossing. Stir or “rabble” the flux over the surface.

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.

The Schaefer Group, Inc.  
1300 Grange Hall Road  
Dayton, OH 45430



Phone: 937-253-3342  
Fax: 937-253-2306  
[www.theschaefergroup.com](http://www.theschaefergroup.com)