

# SLAGONE

## PRODUCT DESCRIPTION:

Hill and Griffith's **SLAGONE** is a perlite material used as a slag coagulant in a molten metal application. **SLAGONE** is typically used with Iron, Brass and Bronze metals.

Perlite is a generic term for a naturally occurring siliceous volcanic rock. The distinguishing feature of perlite is that when it is heated to its softening range, it expands 4 to 20 times its original volume. This expansion is due to a small amount of water contained in the crude perlite rock. As the ore heats, the water vaporizes and pops allowing the expansion. Any slag present on the molten metal will adhere to the expanded perlite and continue to float. The combined slag/perlite can then be removed from the molten metal in large pieces, resulting in clean molten metal for the casting process.

## TYPICAL PRODUCT PROPERTIES:

ELEMENT ANALYSIS: (typical)		PARTICLE SIZE DISTRIBUTION: (typical)	
Silicone	33.8	Plus 8 Screen	32%
Aluminum	7.2	Plus 12 Screen	47%
Potassium	3.5	Plus 16 Screen	15%
Sodium	3.4	Plus 20 Screen	2%
Iron	0.6	Beyond Plus 20 Screen	2%
Calcium	0.6		
Magnesium	0.2		
Trace Elements	0.2		

**APPEARANCE:** From transparent light gray to glossy black

## APPLICATION:

**SLAGONE** should be generously distributed on top of a full ladle of molten metal. Once the perlite has expanded, a color change will occur as the **SLAGONE** will turn to a white color. At this point, the material and slag should be removed from the metal.

**SLAGONE** can be used on a full ladle or added during the ladle filling process.

If an insulating cover is desired, **SLAGONE** should be applied to the ladle or furnace at a thickness of at least 3 inches.

## CAUTION:

**SLAGONE** is a material that has the potential to absorb water. This is a safety concern in that if applied to molten metal, excess steam could be generated. **SLAGONE** should be stored in a dry environment.

