

SIAL

2860 Boul. Le Corbusier

Laval, Qc., H7L 3S1

Tel: (450) 687-4046 Fax: (450) 687-4105

MATERIAL SAFETY DATA SHEET**SECTION 1****IDENTIFICATION OF PRODUCT**

Description	Stoneware Slip
Product Name	A1 Slip
Used For	Ceramic casting

SECTION 2**HAZARDOUS INGREDIENTS**

Hazardous ingredient	%	CAS Number	Specification
Respirable Free Silica (Quartz)	< 17.5 %	14808-60-7	
Barium Carbonate	< 0.003 %	513-77-9	

*Note : Free Silica is not a hazard in moist or wet form ; it is only a hazard if slip is dry and dust is generated

SECTION 3**PHYSICAL DATA**

Appearance:	Liquid
Odor:	None
Color:	Gray
Density:	1780 g/l (±5g/l)
Melting Point:	-2°C
Boiling Point:	102°C
Vapor Pressure:	N/A
Solubility in Water:	Unlimited
Percent Volatile:	N/A
pH:	7.7 (±0.5)

SECTION 4**FIRE AND EXPLOSION HAZARD DATA**

None

SECTION 5**REACTIVITY DATA**

General Reactivity:	None
Incompatibility:	None

SECTION 6**HEALTH HAZARD INFORMATION**

Inhalation:	None; No special protection required
Ingestion:	None
Skin Contact:	None
Eye Contact:	Flush with water; consult physician if irritation persist
Dried Dust Inhalation:	Long term respiratory difficulties (silicosis). Wear NIOSH/MSHA/OSHA approved respirator, if handling or processing dried greenware

SECTION 7**PROCEDURES DISPOSAL REQUIREMENTS**

- Steps to be taken IN CASE MATERIAL IS RELEASED OR SPILLED:

Material is not dangerous if spilled. Simply wash away with water. If uncontaminated, recover and use. Avoid creating dust if dried. Avoid breathing dust. Wear a NIOSH/MSHA/OSHA approved respirator. Good housekeeping practices recommended.

- WASTE AND CONTAINER DISPOSAL METHODS:

Disposal methods for non-hazardous materials should be complied with. May be buried in approved land disposal facility, in accordance with Federal, State/Provincial, and local regulations. The ceramic slip is not regulated by DOT.

**SECTION 8
INFORMATION****SPECIAL PROTECTION**

Eye Protection:

Safety glasses optional, but recommended

Protective Gloves:

Optional, but recommended

Respiratory Protection:

None if working with slip;; NIOSH/MSHA/OSHA approved respirator in processing greenware products

Ventilation:

Not necessary

SECTION 9**CHEMICAL COMPOSITION (after firing)**

BaO	0.03%
CaO	0.29%
MgO	0.10%
K ₂ O	1.84%
Na ₂ O	3.48%
Fe ₂ O ₃	0.28%
TiO ₂	0.49%
Al ₂ O ₃	25.25%
SiO ₂	68.25%

SECTION 10**SPECIAL REQUIREMENT/PRECAUTIONS**

Storage Requirements:

Avoid freezing

The information contained herein is believed to be accurate, but SIAL makes no warranty with respect there to and disclaims responsibility for reliance thereon. This information applies only to the specific material described herein, and does not relate to use in connection with any other materials or in any process.

SIAL makes no warranties, express or implied, concerning this product. No warranty or fitness for any particular purpose is made and we assume no responsibility whatever for any use of this product. This product should be used by properly trained personnel in compliance with applicable health and safety laws and regulations.

Revised date: July 2014