



MATERIAL SAFETY DATA SHEET

SECTION 1		PRODUCT & COMPANY INFORMATION	
Product:	SilGro™		
Purpose of the ingredient:	Fertilizer		
Formulation:	Powdered solid		
Manufacturer:	AgraForUm South Africa (Pty) Ltd 5 Ednau Small Holdings Abrahamskraal road, Mooiwater, BFN		
Packaging & Distribution:	AgraForUm South Africa (Pty) Ltd 5 Ednau Small Holdings Abrahamskraal road, Mooiwater, BFN	Telephone:	+27 51 451 9053
		Fax:	+27 (0) 86 584 5659
Web:		E-mail:	mail@agraforum-sa.com

SECTION 2		HEALTH HAZARD DATA		
Route(s) of Entry:	Inhalation <i>M/H</i>	Skin <i>L</i>	Ingestion <i>L/M</i>	
Acute:	Hazardous in case of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion.			
Chronic:	SILICOSIS (may contain some crystalline silica).			
Signs & Symptoms of Exposure:	If contact with eye, irritation is foreseen.			
Medical Conditions:	none			

SECTION 3		INGREDIENT INFORMATION		
CAS No.	Significant Ingredients	%	OSHA PEL	ACGIH TLV
-	Si(OH) ₄	~ 1.4	-	-
-	-	-	-	-



SECTION 4

HEALTH HAZARD DATA

First Aid Procedures:	Eye: Flush thoroughly with water for at least 15 minutes, lifting lid occasionally. If irritation develops or persists get medical attention. Skin: Flush thoroughly with water. Get medical advice if irritation develops. Inhalation: Remove to fresh air. If breathing difficulty, get medical attention. It may cause lung irritation. Ingested: If large amounts are swallowed, give water to drink and get medical advice.
-----------------------	---

SECTION 5

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	non-flammable	Flammable Limits:	not applicable		
Extinguishing Media:	not applicable	LEL:	no information	UEL:	no information
Special Fire Fighting Procedures:	As in any fire conditions, wear full protective clothing and a NIOSH-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.				
Unusual Fire and Explosion Hazards:	Powerful oxiders may cause fire.				

SECTION 6

PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled:	Remove all sources of ignition. Ventilate area. Wear appropriate clothing. Dissolve in water and flush to sewer with copious amounts of water.
Waste disposal method:	Dispose off in a manner consistent with state and local regulations.
Precautions to be taken in handling & storing:	Store in cool, dry place away from strong oxidizing agents. Keep container closed when not in use.
Other precautions:	Wash after handling. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.



SECTION 7		CONTROL MEASURES FOR EXPOSURE & PERSONAL PROTECTION	
Respiratory Protection:	Use of a particulate respirator, NIOSH type N95 or better is recommended.	Protective Gloves:	Recommended.
Ventilation (General):	Adequate local or general exhaust.	Eye Protection:	Use protective eye-glasses or safety goggles.
Work / Hygienic Practices:	Wash thoroughly after handling.		
Other Protective Clothing or Equipment:	Wear appropriate clothing to prevent skin exposure.		
Storage:	Keep containers tightly closed in well ventilated area. Store below 24°C.		

SECTION 8		PHYSICAL / CHEMICAL DATA	
pH:	10.10 (1% dilution)	Specific Gravity:	2.3 (water =1)
Vapor Pressure:	no information	Melting Point:	no information
Vapor Density:	no information	Dispersion properties:	Not dispersed in water
Solubility:	insoluble in water and oil		
Appearance and Odor:	Gray powder / Semi-odorless		

SECTION 9		STABILITY & REACTIVITY DATA	
Stability:	Stable under normal temperature and pressures.		
Materials to Avoid:	Strong oxidizers (Silica will dissolve in Hydrofluoric acid with corrosive gas SiF4)		
Conditions to Avoid:	Excessive temperature or heat.		
Hazardous Decomposition:	No information	Hazardous Polymerization:	Will not occur

SECTION 10		TOXICOLOGICAL INFORMATION	
Oral LD ₅₀ :	NA		
Dermal LD ₅₀ :	NA		



SECTION 11

ECOLOGICAL INFORMATION

Fish 96-Hour LC ₅₀ :	NA
Products of Biodegradation:	Hazardous short term degradation products are not likely.

SECTION 12

TRANSPORT INFORMATION

DOT Proper Shipping name:	Silica. Not a DOT controlled material.
Special provisions for transport:	Not applicable

SECTION 13

OTHER INFORMATION

Created:	16/09/2015
Last updated:	16/09/2015

The information above is believed to be accurate and is the most reliable information currently available. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Agraforum South Africa (Pty) Ltd. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages that might arise from its use.