SAFETY DATA SHEET
AGRISILICA GRANULES

1. IDENTIFICATION

PRODUCT IDENTIFIERS

PRODUCT NAME	Agrisilica
OTHER NAMES	Amorphous silica, siliceous mineral
PRODUCT CODES	APG 2-5mm
RECOMMENDED USES	Fertiliser

DETAILS OF MANUFACTURER

ORGANISATION	Agripower Australia Limited
LOCATION	Level 13, 20 Bridge Street Sydney NSW 2000 Australia
TELEPHONE	+61 2 9251 8884
WEBSITE	www.agripower.com.au
EMAIL	info@agripower.com.au
EMERGENCY TELEPHONE	+61 2 9251 8884

2. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

OSHA GHS HAZARD CLASSIFICATION	Not classified as hazardous according to the GHS.
HAZARDS NOT OTHERWISE CLASSIFIED	None.
GHS LABEL ELEMENTS	No GHS labelling required.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

IDENTITY OF INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION
Amorphous silica and other mineral oxides	61790-53-2	>99%
Quartz, (SiO_2) (Respirable fraction)	14808-60-7	<1%

4. FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

EYE CONTACT	Flush the contaminated eye(s) with lukewarm, gently flowing water. If irritation persists, seek medical advice.
SKIN CONTACT	If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation persists, seek medical advice.
INGESTION	No known adverse effects if ingested in small quantities. If irritation persists, seek medical advice.
INHALATION	Drink a glass of water to clear throat, and blow nose to evacuate dust. If irritation persists, seek medical advice.
TREATMENT	Treat symptomatically based on individual reactions of patient and judgement of doctor.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	The material is non-combustible. Use appropriate fire extinguisher for the surrounding environment.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not applicable, the material is non-combustible.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS	Not applicable, the material is non-combustible.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Personal protective equipment as per section 8 is recommended for all personnel involved with the clean-up, and within a poorly ventilated environment.
EMERGENCY PROCEDURES	Not applicable, material is inert.
ENVIRONMENTAL PRECAUTIONS	Material does not present environmental concerns.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	Contain and dampen spilled material to avoid airborne dust. Sweep, shovel, or use an industrial vacuum cleaner to remove material and place in container for use or disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Avoid handling practices that promote dust generation. Repair or dispose of broken containers and packaging.
CONDITIONS FOR SAFE STORAGE	Store in a cool, dry, well-ventilated area to maintain packaging integrity. Keep containers and packaging sealed when not in use. Do not store near hydrofluoric acid.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS

EXPOSURE LIMITS

Amorphous silica	10 mg/m^3 TWA*	SWA
	6 mg/m^3 TWA*	NIOSH REL, Cal/OSHA PEL
Quartz, (SiO_2)	0.05 mg/m^3 TWA*	Cal/OSHA PEL, NIOSH REL

*Time weighted average exposure standard (TWA) means the average airborne concentration of a substance over an eight-hour working day, for a five-day working week. A person conducting a business or undertaking must ensure that a worker is not exposed to airborne contaminants above the workplace exposure standard.

ENGINEERING CONTROLS	Use in well-ventilated areas, or use of local exhaust ventilation is recommended for poorly ventilated areas.
BIOLOGICAL LIMITS	No data available.

PERSONAL PROTECTIVE EQUIPMENT

EYE	No additional requirements. Recommended goggles with side shields to prevent eye irritation.
SKIN	No additional requirements.
RESPIRATORY	No respiratory protection required under action level of quartz silica. Use of N95 filtering facepieces or better filters are recommended for airborne exposures to crystalline silica at concentrations less than or equal to 0.5 mg/m^3. Use of powered air-purifying respirator (PAPR) and M-307 respiratory hardhat recommended for airborne exposures to crystalline silica at concentrations up to 1.25 mg/m^3. Use of air-purifying full face

reusable respirators recommended for airborne exposures to crystalline silica at concentrations greater than 1.25 mg/m^3.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off white
Odour	Odourless
Odour threshold	No data available or required
pH (20°C, 1:5 water)	8 - 9
Melting point	No data available or required
Freezing point	No data available or required
Boiling point	No data available or required
Boiling range	No data available or required
Flash point	No data available or required
Evaporation rate	No data available or required
Flammability (solid, gas)	No data available or required
Upper explosive limit	No data available or required
Lower explosive limit	No data available or required
Vapour pressure	No data available or required
Vapour density	No data available or required
Relative density	2.0
Solubility	Low solubility in water
Auto-ignition temperature	No data available or required
Decomposition temperature	No data available or required
Viscosity	No data available or required

10. STABILITY AND REACTIVITY

REACTIVITY	Not applicable, material is inert.
CHEMICAL STABILITY	Not applicable, material is inert.
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable, material is inert.
CONDITIONS TO AVOID	Not applicable, material is inert.
INCOMPATIBLE MATERIALS	Silica containing materials may react with hydrofluoric acid.
HAZARDOUS DECOMPOSITION PRODUCTS	Not applicable, material is inert.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	No data available.
SKIN CORROSION/IRRITATION	May cause irritation to skin.
EYE DAMAGE/IRRITATION	May cause irritation to eyes.
RESPIRATORY SENSITISATION	Inhalation can cause irritation to the respiratory tract.
GERM CELL MUTAGENICITY	No data available.
CARCINOGENICITY	Amorphous silica is not classifiable as to its carcinogenicity to humans (IARC Group 3). Quartz, (SiO_2), is classified as an IARC Category 1 carcinogen within the respirable fraction. Test data on the mixture provides sufficient evidence that there is negligible respirable crystalline silica (<0.1%), and the mixture is not classifiable as to its carcinogenicity to humans.
REPRODUCTIVE TOXICITY	No data available.

CHRONIC EFFECTS	Prolonged or repeated exposure to this material's dust, or any nuisance dust, may result in irritation to the eyes and respiratory tract. As this product may contain traces of respirable crystalline silica, respiratory equipment (section 8) is required for exposure over the action limit of 25 µg/m^3 (OSHA).

12. ECOLOGICAL INFORMATION

ECOTOXICITY	No information available nor required
PERSISTENCE AND DEGRABILITY	No information available nor required
BIOACCUMULATIVE POTENTIAL	No information available nor required
MOBILITY IN SOIL	No information available nor required
OTHER ADVERSE EFFECTS	No information available nor required

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONTAINERS AND METHODS	Waste material to be disposed of at an approved municipal landfill or land application site. No special containers are required.
PACKAGING DISPOSAL	Dispose of in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

ROAD & RAIL	Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road & Rail
SEA	Not a Dangerous Good according to the IMDG Code
AIR	Not a Dangerous Good according to the IATA Dangerous Good Regulations
UN NUMBER	None allocated
PROPER SHIPPING NAME	Not dangerous goods
TRANSPORT HAZARD CLASS	None allocated
SUBSIDIARY RISK	None allocated
PACKING GROUP	None allocated
HAZCHEM	None allocated
SPECIAL PROVISIONS	None allocated

15. REGULATORY INFORMATION

POISONS SCHEDULE	Not scheduled (SUSMP)
AICS	Listed - Chemical identified as low concern to human health by application of expert validated rules

16. OTHER INFORMATION

INDICATION OF CHANGES

ORIGINAL ISSUE DATE	06/03/13
REVISION DATE	10/08/20
REVISION NUMBER	10
REASON FOR ISSUE	Update

ABBREVIATIONS OR ACRONYMS USED

AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service
GHS	Globally Harmonized System of classification and labelling
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
NIOSH	National Institute for Occupation Safety and Health
OSHA	Occupational Safety and Health Administration
PAPR	Powered air-purifying respirator
REL	Recommended exposure limit
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TWA	Time weighted average