

# SAFETY DATA SHEET

## AGRSILICA CHIP

### 1. IDENTIFICATION

#### PRODUCT IDENTIFIERS

PRODUCT NAME	Agrisilica
OTHER NAMES	Amorphous silica, siliceous mineral
PRODUCT CODES	APC 2-8mm
RECOMMENDED USES	Fertiliser

#### DETAILS OF MANUFACTURER

ORGANISATION	Agripower Australia Limited
LOCATION	Level 13, 20 Bridge Street Sydney NSW 2000 Australia
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### 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 <sub>2</sub> ) (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

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

## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Personal protective equipment as per section 8 is recommended for all personnel involved with the clean-up, and within a poorly ventilated environment.
<b>EMERGENCY PROCEDURES ENVIRONMENTAL PRECAUTIONS</b>	Not applicable, material is inert. Material does not present environmental concerns.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP</b>	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

<b>PRECAUTIONS FOR SAFE HANDLING</b>	Avoid handling practices that promote dust generation. Repair or dispose of broken containers and packaging.
<b>CONDITIONS FOR SAFE STORAGE</b>	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 <sup>3</sup> TWA*	SWA
	6 mg/m <sup>3</sup> TWA*	NIOSH REL, Cal/OSHA PEL
Quartz, (SiO <sub>2</sub> )	0.05 mg/m <sup>3</sup> 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.

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

### PERSONAL PROTECTIVE EQUIPMENT

<b>EYE</b>	No additional requirements. Recommended goggles with side shields to prevent eye irritation.
<b>SKIN</b>	No additional requirements.
<b>RESPIRATORY</b>	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 <sup>3</sup> . 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 <sup>3</sup> . Use of air-purifying full face

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY</b>	No data available.
<b>SKIN CORROSION/IRRITATION</b>	May cause irritation to skin.
<b>EYE DAMAGE/IRRITATION</b>	May cause irritation to eyes.
<b>RESPIRATORY SENSITISATION</b>	Inhalation can cause irritation to the respiratory tract.
<b>GERM CELL MUTAGENICITY</b>	No data available.
<b>CARCINOGENICITY</b>	Amorphous silica is not classifiable as to its carcinogenicity to humans (IARC Group 3). Quartz, (SiO <sub>2</sub> ), 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.
<b>REPRODUCTIVE TOXICITY</b>	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<sup>3</sup> (OSHA).

**12. ECOLOGICAL INFORMATION**

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

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

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

**15. REGULATORY INFORMATION**

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

**16. OTHER INFORMATION**
**INDICATION OF CHANGES**

<b>ORIGINAL ISSUE DATE</b>	10/08/20
<b>REVISION DATE</b>	
<b>REVISION NUMBER</b>	
<b>REASON FOR ISSUE</b>	

## **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