

## Safety Data Sheet

Title: **A1, Powder B1 SDS**

Document #: SDS-0002 / Revision. B

Status: Current; Effective Date: 11 MAY 2020

**PHASE**SCIENTIFIC

相達生物科技

### SAFETY DATA SHEET

#### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

##### 1.1 Product identifier

Product Name A1, Powder B1

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory chemical

##### 1.3 Details of the supplier of the safety data sheet

Manufacturer Phase Scientific International Limited  
32/F, Gravity, 29 Hing Yip Street,  
Hong Kong  
Phone: +852 9135 2570

##### 1.4 Emergency telephone number

Emergency Number +1 (657) 296-6106 [US]  
+852 9135 2570 [Hong Kong]

#### Section 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

H315 Skin irritation (Category 2)  
H319 Eye irritation (Category 2)  
H334 Respiration sensitisation (Category 1)  
H335 Specific target organ toxicity - single exposure (Category 3)

##### 2.2 Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335 May cause respiratory irritation

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### Precautionary statement(s)

P261 Avoid breathing dust  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Single substance or mixture

Protease	Symbols: H315, H319, H334, H335	<=100%
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## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### Skin contact

Wash off with soap and plenty of water. Consult a physician.

#### Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## Section 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing agents.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid breathing dust. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Minimise generation of dust. Sweep or shovel spills into appropriate container for disposal. Dispose contaminated material according to official regulations.

Section 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Use only outdoors or in a well-ventilated area. Avoid dust formation. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 4°C and below.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters**

Components with workplace control parameters.

**8.2 Exposure controls**

**Personal protective equipment**

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

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### Eye/Face Protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	White powder
Odour	No data available
pH	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour density	No data available
Vapour pressure	No data available
Relative density	No data available
Water solubility	No data available
Decomposition temperature	No data available
Viscosity	No data available
Oxidizing properties	No data available

## Section 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No data available
<b>10.2 Possibility of hazardous reactions</b>	No data available
<b>10.3 Conditions to avoid</b>	No data available
<b>10.4 Incompatible materials</b>	Oxidizing agents
<b>10.5 Incompatible materials.</b> Other decomposition products	No data available

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Section 11: TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects**

<b>Acute toxicity</b>	No data available
<b>Skin irritation/corrosion</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available

**Carcinogenicity**

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

<b>Reproductive toxicity</b>	No data available
<b>STOT-single exposure</b>	No data available
<b>STOT-repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

**Potential health effects**

**Inhalation**

May be harmful if inhaled. Causes respiratory tract irritation.

**Ingestion**

May be harmful if swallowed.

**Skin**

May be harmful if absorbed through skin. Causes skin irritation.

**Eyes**

Causes serious eye irritation.

**Signs and symptoms of exposure**

Prolonged or repeated exposure can cause; asthma, nausea, headache, vomiting.

Section 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	No data available
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bio-accumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	No data available
<b>12.6 Other adverse effects</b>	No data available

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### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company

Contaminated packaging: Dispose of as unused product.

### Section 14: TRANSPORT INFORMATION

**14.1 UN number:** ADR/RID, IMDG, IATA

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**14.2 UN proper shipping name:** ADR/RID, IMDG, IATA

Not dangerous goods

**14.3 Transport hazard class(es):** ADR/RID, IMDG, IATA

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**14.4 Packaging group:** ADR/RID, IMDG, IATA

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**14.5 Environmental hazards:** ADR/RID, IMDG (Marine pollutant), IATA

No

**14.6 Special precautions for user**

No data available

### Section 15: REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008.

### Section 16: OTHER INFORMATION

Abbreviations and acronyms

Eye Irrit. Eye irritation

H315 Causes skin irritation

H319 Causes serious eye irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

Resp. Sens. Respiratory sensitisation

Skin Irrit. Skin irritation

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

#### Further information

This information is based on our present knowledge. The information given is designed only as a guidance for safe handling and is not to be considered a warranty or quality specification. All materials and mixtures may present unknown hazards and should be used with caution.

**DISCLAIMER: Not for drug, household or other uses.**