

**According to Regulation (EU) No. 1907/2006 (REACH), Annex II  
(COMMISSION REGULATION (EU) No 453/2010)**

Version: 1.1/EN

Prepared date:

18/05/2016

Product name: BlazeCut ABC Powder

Revision date:

30/08/2018

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Product name: Ammonium dihydrogen orthophosphate  
REACH Reg. No.: 01-2119488166-29  
CAS No.: 7722-76-1  
EC No.: 231-764-5

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

Identified uses: Fire extinguishing agent.  
Uses advised against: No information available.

**1.3 Details of the supplier of the SDS**

Importer: BlazeCut Pty Ltd.  
Address: 45 Evans St, Balmain NSW 2041 Australia  
E-mail: [technical@blazecut.com](mailto:technical@blazecut.com)  
Telephone: +61 2 8006 1300

**1.4 Emergency telephone number**

+61 403 006 070, +421 2 54774166

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008[CLP]

Liquefied gas; H280

Classification according to Directive 67/548/EEC[DSD] or Directive 1999/45/EC[DPD]

This product is not classified as hazardous.

**Additional information**

Full text of R-phrase(s)/H-statement(s): see SECTION 16.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictogram(s):



Signal word:

Warning

**Hazard statement(s):** H280: Contains gas under pressure; may explode if heated.

**Precautionary statement(s):**

Storage: P410+P403: Protect from sunlight. Store in a well-ventilated place.

**Supplemental Hazard information (EUH):**

No information available.

**Special rules for supplemental label elements for certain mixtures:**

No information available.

### 2.3 Other hazards

Repeated dermal contact with powder can lead to defatting of the skin. Drying of the skin.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance/Preparation information

Substance name: Ammonium dihydrogen orthophosphate  
REACH Reg. No.: 01-2119488166-29  
CAS No.: 7722-76-1  
EC No.: 231-764-5  
Purity: 75- 100 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General notes:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**Following inhalation:**

Move to fresh air. Seek medical attention.

**Following skin contact:**

Flush/irrigate (spray) with water and soap.

**Following eye contact:**

Flush/irrigate with fresh water for several minutes. Seek medical attention if irritation continues.

**Following ingestion:**

Rinse mouth with water. Go to open air and ventilate suspected contaminated area. If feeling unwell seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

### 4.3 Indication of the immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** The product is not flammable. Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** No information available.

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

Fire or intense heat may cause violent rupture of packages.

Container rupture possible if pressure and temperature relief valves should fail.

Thermal decomposition can lead to release of irritating or toxic gases/vapors: carbon dioxide, carbon monoxide.

### 5.3 Advice for fire-fighters

Do not enter fire area without proper protective equipment including self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

Ventilate the area if dust is airborne. Minimize dust concentrations. Ensure the right personal protective equipment is worn. Including but not limited to Chemical resistant gloves, breathing apparatus, cover skin with clothing or chemical suit plus appropriate footwear cover. Persons and clothing must be washed after exposure.

### 6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

Minimize the generation of dust. Collect the spillage with minimum dust creation. For large clean ups mechanically recover the product.

### 6.4 Reference to other SECTIONS

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection equipment.

See SECTION 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Avoid breathing dust. Avoid contact with eyes, skin, or on clothing. Wash thoroughly after handling. Never use direct flame or electrical heating devices to raise the pressure of a container. Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.

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

Store in a cool, dry area separate from incompatible materials (strong alkalis, BC powder). Protect containers from mechanical damage.

### 7.3 Specific end use(s)

No additional information available.

## SECTION 8 : Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values:**

No additional information available.

**DNEL (Derived No Effect Level) for workers and the general population:**

No additional information available.

**PNEC (Predicted No Effect Concentration) values:**

No additional information available.

### 8.2 Exposure controls

**Appropriate engineering controls:**

Engineering measures: Ensure adequate ventilation, especially in confined areas and the work station. Avoid dust formation.

**Personal protective equipment:**

Eye and face protection: Safety goggles. A face hood maybe worn to avoid contact with skin.

Skin protection: Cover skin with clothing

Respiratory protection: Wear chemical resistant gloves (to European standard EN374 or equivalent).

**Environmental exposure controls:**

Do not empty into drains and avoid dust creation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state:</b>	Solid
<b>Appearance:</b>	White Dust
<b>Odour:</b>	No additional information available.
<b>pH:</b>	Not applicable.
<b>pH solution:</b>	4-4.5 @10%
<b>Freezing point:</b>	No additional information available.
<b>Boiling point:</b>	No additional information available.
<b>Melting point:</b>	>200 °C
<b>Flash point:</b>	Not applicable.
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not flammable
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure:</b>	Not available.

<b>Density:</b>	1.8 g/cm <sup>3</sup> at 20 °C
<b>Solubility(ies):</b>	Not available.
<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Explosive properties:</b>	No explosive properties.
<b>Oxidising properties:</b>	Non oxidizing.

## 9.2 Other information

<b>Surface tension</b>	No additional information available.
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No additional information available.

### 10.2 Chemical stability

No decomposition if stored normally.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

No additional information available.

### 10.5 Incompatible materials

Alkalis, BC powder.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available data. The classification criteria are not met.

Ammonium dihydrogen orthophosphate 7722-76-1

LD50 oral rat >2000 mg/kg

LD50 dermal rat >5000 mg/kg

LC50 inhalation rat (mg/l) >5 mg/l/4h Dust

#### Skin corrosion/irritation:

Not classified (based on available data. The classification criteria are not met. pH not applicable.

#### Serious eye damage/irritation:

Not classified (based on available data. The classification criteria are not met. pH not applicable.

#### Respiratory or skin sensitization:

[www.blazecut.com](http://www.blazecut.com)

Not classified (based on available data. The classification criteria are not met. pH not applicable).

**Germ cell mutagenicity:**

Not classified (based on available data. The classification criteria are not met. pH not applicable).

**Carcinogenicity:**

Not classified (based on available data. The classification criteria are not met. pH not applicable).

**Reproductive toxicity:**

Not classified (based on available data. The classification criteria are not met. pH not applicable).

**STOT-single exposure:**

Not classified (based on available data. The classification criteria are not met. pH not applicable).

**STOT-repeated exposure:**

Not classified (based on available data. The classification criteria are not met. pH not applicable).

**Aspiration hazard:**

Not classified (based on available data. The classification criteria are not met. pH not applicable).

## SECTION 12: Ecological information

### 12.1 Toxicity

Ammonium dihydrogen orthophosphate 7722-76-1

Fish 1: LC50 >85.9 mg/l *Oncorhynchus mykiss* (rainbow trout)

Daphnia 1 : EC50 1790 mg/l daphnia

Algae : EC50 > 97.1 mg/L/72 h

### 12.2 Persistence and degradability

Ammonium dihydrogen orthophosphate 7722-76-1

Not applicable

### 12.3 Bioaccumulative potential

Ammonium dihydrogen orthophosphate 7722-76-1

Log Pow. Not applicable

Log Kow. Not applicable

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code: 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08.

## SECTION 14: Transport information

### When in plastic container.

<b>14.1 UN Number</b>	not applicable
<b>14.2 UN proper shipping name</b>	not applicable
<b>14.3 Transport hazard class(es)</b>	not applicable
<b>14.4 Packing group</b>	not applicable
<b>14.5 Environmental hazards</b>	not applicable
<b>14.6 Special precautions for user</b>	Reference in Sections 4 to 8.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	not applicable

### When presented in a Charged Cylinder

<b>14.1 UN Number</b>	1044
<b>14.2 UN proper shipping name</b>	LIQUEFIED GAS, N.O.S.
<b>14.3 Transport hazard class(es)</b>	2.2
<b>14.4 Packing group</b>	None
<b>14.5 Environmental hazards</b>	None.
<b>14.6 Special precautions for user</b>	No information available.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	The product is not intended to be transport in bulk.

## SECTION 15: Regulatory information

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

#### EU regulation:

Contains no REACH substances with Annex XVII restrictions

Contains no substances on the REACH candidate list.

Contains no REACH Annex XIV substances.

## 15.2 Chemical Safety Assessment

A safety data sheet is not required for this product under article 31 of REACH. This product safety sheet is produced voluntarily and to cover the cylinder being charged with nitrogen under pressure. No Chemical Safety Assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1 Revision Information

15/06/2018.	Change of Company details
30/08/2018	Agent marketing description change

### 16.2 Abbreviations and acronyms

<b>LD50:</b>	Median lethal dose.
<b>ADR:</b>	European Agreement concerning the international carriage of Dangerous goods by road.
<b>ADN:</b>	European Agreement concerning the international carriage of Dangerous goods by Inland waterways.
<b>IMDG:</b>	International Maritime Dangerous goods.
<b>IATA:</b>	International Air Transport Association.
<b>RID:</b>	Regulation concerning the International carriage of dangerous goods by Rai.
<b>REACH:</b>	Registration, Evaluation, Authorisation and restriction of Chemicals Regulation. EC No. 1907/2006.
<b>CAS:</b>	Chemical Abstract Service.

### 16.3 Key literature references and sources for data

Provided by the manufacturing company.

### 16.4 Relevant R-phrases/H-statements

H280 Contains gas under pressure if in a charged cylinder; may explode if heated.

### 16.5 Training advice

Provide adequate information, instruction and training for operators.

### 16.6 Declare to reader

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

----- End of the SDS -----