



BlazeCut Automatic Fire Suppression System

Safety Data Sheet

BlazeCut Powder ABC90

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

Version: SDS-PO-2403-EN
Product name: BlazeCut Powder ABC90

Compilation date: 2015-01-15
Revision date: 2024-03-25

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

1.1 Product identifier

Product name: BlazeCut Powder ABC90

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

Identified uses: Fire extinguishing agent, ABC powder

1.3 Details of the supplier of the SDS

Supplier: BlazeCut Pty Ltd.
Address: Level 24, Three International Towers, 300 Barangaroo Avenue, Sydney,
NSW 2000, Australia
E-mail: technical@blazecutgroup.com
Telephone: +61 2 8006 1300

Distributor: To be input
Address: To be input
E-mail: To be input
Telephone: To be input

1.4 Emergency telephone number

+61 403 006 070 or call local emergency number.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Not classified

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

This product is not classified as hazardous.

Additional information

N/A

2.2 Label elements

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

No labelling applicable.

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

Not applicable.

3.2 Mixture

Substance name:	Ammonium dihydrogen orthophosphate
REACH Reg. No.:	01-2119488166-29
CAS No.:	7722-76-1
EC No.:	231-764-5
Purity:	75- 100 %
Full text of H-statements:	See section 16

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:

Wash with plenty of water and soap.

Following eye contact:

Rinse cautiously with 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

Hazardous decomposition products in case of fire: carbon dioxide, carbon monoxide, toxic fumes may be released.

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****For non-emergency personnel**

Protective equipment: concerning personal protective equipment to use, see section 8

Measures in case of dust release: provide adequate ventilation to minimize dust concentrations

For emergency responders

Protective equipment: concerning personal protective equipment to use, see section 8

Measures in case of dust release: ventilate area

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

Wash hands and other exposed areas with mild soap and water before eating, drinking and when leaving work. Avoid dust formation and breathing dust. Avoid contact with eyes, skin, or on clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry place in original container.

Incompatible materials: strong alkalis, BC powder.

Prohibitions on mixed storage: Keep away from food, drink and animal feeding stuff.

7.3 Specific end use(s)

No additional information available.

SECTION 8 : Exposure controls/personal protection

8.1 Control parameters

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:

Hand protection: Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

Respiratory protection: Long term exposure. If dust are formed: FFP2

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

Physical state:	Solid
Appearance:	White Dust
Odour:	No additional information available.
pH:	Not applicable.
pH solution:	4-4.5 @10%
Freezing point:	No additional information available.
Boiling point:	No additional information available.
Melting point:	>200 °C



Flash point:	Not applicable.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not flammable
Explosive properties:	Not available.
Vapour pressure:	Not available.
Density:	1.8 g/cm ³ at 20 °C
Solubility (ies):	Not available.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	No explosive properties.
Oxidising properties:	Non oxidizing.

9.2 Other information

No additional information available.

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

Strong 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/4 h 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:

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):

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

EC50 Daphnia 1: 1790 mg/l daphnia

EC50 72h algae (1): > 97.1 mg/L

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

In accordance with ADR, RID, IMDG, IATA, ADN

14.1 UN Number	Not regulated for transport
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

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.
- No Chemical Safety Assessment has been carried out for this product.

SECTION 16: Other information

16.1 Revision Information

2015-01-15	1.0/EN	BM	First Compiled
2018-08-30	1.1/EN	BM	Revision
2019-07-18	1.2/EN	BM	Revision
2020-01-15	1.3/EN	TD	Revision
2021-08-13	SDSPO-2108-EN	DF	Revision
2022-07-07	SDSPO-2207-EN	MS	Revision
2023-10-31	SDS-PO-2310-EN	MS	Revision
2024-03-25	SDS-PO-2403-EN	DF	Current version

16.2 Abbreviations and acronyms

LD50:	Median lethal dose.
ADR:	European Agreement concerning the international carriage of Dangerous goods by road.
ADN:	European Agreement concerning the international carriage of Dangerous goods by Inland waterways.
IMDG:	International Maritime Dangerous goods.
IATA:	International Air Transport Association.
RID:	Regulation concerning the International carriage of dangerous goods by Rai.
REACH:	Registration, Evaluation, Authorisation and restriction of Chemicals Regulation. EC No. 1907/2006.
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
GHS	Globally Harmonized System of Classification and Labelling Chemicals
CAS:	Chemical Abstract Service.

16.3 Key literature references and sources for data

Regulation 1272/2008, 67/548/EEC, 199/45/EC, 1907/2006

16.4 Relevant R-phrases/H-statements

Not applicable.

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** -----