

# BlazeCut Automatic Fire Suppression System

## Safety Data Sheet

### **BlazeCut Antifreeze Foam Pre-Mix 6 %**

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

Version: SDS-AFF-2403

Product name: BlazeCut Antifreeze Foam Pre-Mix 6 %

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 Antifreeze Foam Pre-Mix 6 %

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

Identified uses: Firefighting agent.

Uses advised against: The product should not be used in ways other than those referred to in Section 1.

##### **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

Not classified as hazardous according to Regulation (EC) No 1272/2008[CLP]

When in plastic container.

### 2.2 Label elements

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

Hazard pictogram(s): GHS07: Exclamation mark



Signal word:

Warning

### 2.3 Other hazards

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

Prevention: Wash skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye protection.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixture

Ingredient(s)	CAS #	Weight [%]
C-6 fluorosurfactant	N/A	<1
Proprietary blend sodium alkyl sulfates	N/A	0.5-2.5
Hexylene Glycol	107-41-5	<1
Proprietary glycol blend	N/A	10-25

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes:

In case there is a health problem or in case of doubt, inform the doctor and provide him with the information contained in this Safety data sheet.

#### Following inhalation:

If symptoms occur, move affected person to fresh air. If not breathing, give artificial respiration. If symptoms persist, get medical attention promptly.

**Following skin contact:**

Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

**Following eye contact:**

in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Following ingestion:**

If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention at once.

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

<b>Inhalation:</b>	Vapours or mist from heating cause discomfort in nose and throat.
<b>Skin contact:</b>	Dryness of the skin.
<b>Eye contact:</b>	May cause redness, burning, and irritation.
<b>Ingestion:</b>	May cause stomach discomfort, nausea, and diarrhoea.

**4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

**More information:** The deterioration of the health status of exposure: There is no evidence that this product aggravates an existing medical condition

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media:</b>	The product is a fire extinguishing medium. Use water vapor, foam or fog.
<b>Unsuitable extinguishing media:</b>	Not available.

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

None known for agent only

**5.3 Advice for fire-fighters**

None Known for agent only. Firefighters should wear proper protective equipment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Follow the instructions in Sections 7 and 8.

**6.2 Environmental precautions**

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

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

Spilled mixture should be covered with suitable (non-flammable) absorbing material (sand, kieselguhr, earth and other suitable absorption materials); to be contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the mixture, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the mixture, wash the contaminated site with plenty of water or another suitable cleaning material. Spill will result in slippery surface conditions.

### 6.4 Reference to other Section's

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

Avoid contact with eyes, skin and clothing. Avoid breathing vapours or mists. Keep container closed. Wash thoroughly after handling.

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

Keep container in cool well-ventilated area. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children.

### 7.3 Specific end use(s)

See Section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:	None
DNEL (Derived No Effect Level) for workers and the general population:	None
PNEC (Predicted No Effect Concentration) values:	None

### 8.2 Exposure controls

#### Appropriate engineering controls:

No special ventilation requirements. General room ventilation is adequate.

#### Personal protective equipment:

Eye and face protection:	Avoid contact with eyes. Wear chemical type goggles with face shield.
Skin protection:	For prolonged or repeated handling wear impervious chemical resistant gloves.
Respiratory protection:	Avoid breathing vapours, spray or mists. If necessary, use proper respiratory protection.

#### Environmental exposure controls:

Observe the usual precautions to protect the environment, see section 6.2.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Clear light red liquid
<b>Odour:</b>	characteristic
<b>pH:</b>	7 - 8
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	Above 100 °C
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not flammable
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Relative density:</b>	1.0 – 1.1
<b>Solubility water:</b>	soluble
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Explosive properties:</b>	No explosive properties.
<b>VOC content</b>	<1 %
<b>Oxidizing properties:</b>	Not available.

### 9.2 Other information

None available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

not available

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

not available

### 10.4 Conditions to avoid

Strong oxidizing agents.

### 10.5 Incompatible materials

not available

### 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide, and other organic materials.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

No toxicological data is available for the mixture.

#### **Acute toxicity**

Based on available data, the classification criteria are not accomplished.

#### **Skin corrosion/irritation:**

Based on available data, the classification criteria are not accomplished.

#### **Serious eye damage/irritation:**

Based on available data, the classification criteria are not accomplished.

#### **Respiratory or skin sensitization:**

Based on available data, the classification criteria are not accomplished.

#### **Germ cell mutagenicity:**

Based on available data, the classification criteria are not accomplished.

#### **Carcinogenicity:**

Based on available data, the classification criteria are not accomplished.

#### **Reproductive toxicity:**

Based on available data, the classification criteria are not accomplished.

#### **STOT-single exposure:**

Based on available data, the classification criteria are not accomplished.

#### **STOT-repeated exposure:**

Based on available data, the classification criteria are not accomplished.

#### **Aspiration hazard:**

Based on available data, the classification criteria are not accomplished.

## SECTION 12: Ecological information

### 12.1 Toxicity

Never release into sewers or waterways.

Ecotoxic data:

Fish toxicity: EC0: 20 mg/L/48 h

EC50: 40 mg/L/48 h Further information: None

For the application concentration of 3 % the following data are available:

Ecotoxic effects: Readily biodegradable. No adverse effects to sewage plants are to be expected

Ecotoxic data for the 3 % aqueous solution:

Fish toxicity:

LC50: 1330 mg/L

## **12.2 Persistence and degradability**

not available.

## **12.3 Bio accumulative potential**

not available

## **12.4 Mobility in soil**

not available

## **12.5 Results of PBT and vPvB assessment**

The mixture contains no thus identified substances

## **12.6 Other adverse effects**

not available.

## **SECTION 13: Disposal considerations**

Non-hazardous waste.

### **13.1 Waste treatment methods**

Proceed in accordance with valid regulations laying down the disposal of waste. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to an authorised person for waste removal (specialized company) authorised for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

## **SECTION 14: Transport information**

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

<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

## SECTION 15: Regulatory information

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

Non indicated

### 15.2 Chemical Safety Assessment

Not available

## SECTION 16: Other information

### 16.1 Revision Information

2015-01-15	1.0/EN	BM	First Compiled
2018-06-15	1.1/EN	BM	Revision
2018-08-30	1.2/EN	BM	Revision
2020-01-15	1.3/EN	TD	Revision
2021-08-13	SDSAF-2108-EN	DF	Revision
2022-07-07	SDSAF-2207-EN	MS	Revision
2023-10-31	SDS-AFF-2310-EN	MS	Revision
2024-03-25	SDS-AFF-2403-EN	DF	Current Version

### 16.2 Abbreviations and acronyms

<b>CAS</b>	Unique Numeric Identifier used in chemistry for chemical substances
<b>CLP</b>	Classification, Labelling and Packaging
<b>CSN</b>	Czech Technical Standard
<b>EINECS</b>	Concentration of a substance when it is affected 50 % of the population
<b>EC50</b>	Concentration of a substance when it is affected 50 % of the population
<b>Ems</b>	Emergency plan
<b>IATA</b>	International Air Transport Association
<b>IBC</b>	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
<b>IC50</b>	Concentration causing 50 % blockade
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods Transport
<b>LC50</b>	Lethal concentration of a substance in which it can be expected death of 50 % of the population
<b>LD50</b>	Lethal dose of a substance in which it can be expected death of 50 % of the population
<b>MARPOL</b>	International Convention for the Prevention of Pollution From Ships
<b>MFAG</b>	First Aid Manual
<b>NPK</b>	The maximum permissible concentration
<b>PBT</b>	Persistent ,Bio accumulative and Toxic
<b>PEL</b>	Permissible Exposure Limit
<b>REACH</b>	Registration, Evaluation and Restriction of chemicals (EP and Council Regulation (EC) No.1907/2006)
<b>vPvB</b>	Very Persistent and very Bio accumulative



### **16.3 Key literature references and sources for data**

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended, REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended,

COMMISSION REGULATION (EU) No 453/2010, COUNCIL DIRECTIVE 67/548/EEC as amended and 1999/45/EC, COMMISSION REGULATION (EU) No 286/2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures

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

#### ***In pressurized cylinders only:***

H280 Contains gas under pressure; may explode if heated.

### **16.5 Training advice**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the mixture.

### **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 -----