



BlazeCut Automatic Fire Suppression System

Safety Data Sheet

BlazeCut Standard Foam

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

Version: SDS-SF-2310-EN
Product name: BlazeCut Standard Foam

Compilation date: 2015-01-15
Revision date: 2023-10-31

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

1.1 Product identifier

Product name: BlazeCut Standard Foam

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: 45 Evans St, Balmain NSW 2041 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]

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

SECTION 3: Composition/information on ingredients

3.2 Mixture

CAS No	%[weight]	Name
107-41-5	<8	2-methyl-2,4-pentanediol
142-31-4	<8	sodium octyl sulfate
Not Available	<1.2	proprietary foamer blend (water, amphoteric copolymer, amphoteric polymer, C6 fluorosurfactant, acrylic copolymer, propylene glycol, ethanol)
151-21-3	<0.8	sodium decyl sulfate

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:

Check for and remove contact lens. Immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

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

Inhalation: Vapours or mist from heating cause discomfort in nose and throat.

Skin contact: Dryness of the skin.

Eye contact: May cause redness, burning, and irritation.

Ingestion: 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

Suitable extinguishing media: The product is a fire extinguishing medium. Use water vapor, foam or fog.

Unsuitable extinguishing media: 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

Appearance:	Clear light red liquid
Odour:	characteristic
pH:	7 - 9
Freezing point:	<0 °C
Boiling point:	Above 100 °C
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not available.
Vapor pressure:	Not available.
Relative density:	1.0 – 1.02
Solubility water:	soluble
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	No explosive properties.
VOC content	<5 %
Oxidizing properties:	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

14.1 UN Number

Not applicable

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	Reference in Sections 4 to 8.
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

No 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	SDSSF-2108-EN	DF	Revision
2022-07-07	SDSSF-2207-EN	MS	Revision
2023-10-31	SDS-SF-2310-EN	MS	Current Version

16.2 Abbreviations and acronyms

CAS	Unique Numeric Identifier used in chemistry for chemical substances
CLP	Classification, Labelling and Packaging
CSN	Czech Technical Standard
EC50	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
Ems	Emergency plan
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous
IC50	Chemicals Concentration causing 50 % blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Transport
LC50	Lethal concentration of a substance in which it can be expected death of 50 % of the
LD50	population
MARPOL	Lethal dose of a substance in which it can be expected death of 50 % of the population



MFAG	International Convention for the Prevention of Pollution From Ships
NPK	First Aid Manual
PBT	The maximum permissible concentration
PEL	Persistent ,Bio accumulative and Toxic
REACH	Permissible Exposure Limit
vPvB	Registration, Evaluation and Restriction of chemicals (EP and Council Regulation (EC) No.1907/2006) 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** -----