FlameStop

SAFETY DATA SHEET

REVISED EDITION NO: 4
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SUPERSEDES: 12 / 01 / 2022

FlameStop NSW (Head Office)
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SECTION 1 - IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PRODUCT IDENTIFIER:

FLAMESTOP ALCOHOL RESISTANT EXTINGUISHER

OTHER MEANS OF IDENTIFICATION:

M50AR FLAMESTOP 50 LITRE ALCOHOL RESISTANT MOBILE EXTINGUISHER
M70AR FLAMESTOP 70 LITRE ALCOHOL RESISTANT MOBILE EXTINGUISHER
M90AR FLAMESTOP 90 LITRE ALCOHOL RESISTANT MOBILE EXTINGUISHER
FSZ9ATC FLAMESTOP 9.0 LITRE AFFF ALCOHOL RESISTANT EXTINGUISHER

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST:

Use of substance / mixture:	fire extinguishing agent

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Supplier:	FlameStop
Street:	16 Davis Road
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PREPARED IN ACCORDANCE WITH THE NATIONAL CODE OF PRACTICE FOR THE PREPARATION OF MATERIAL SAFETY DATA SHEETS 2ND EDITION [NOHSC:2011(2003)]

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Classification according to the the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classidied as dangerous - Gases under Pressure - Compressed Gas

Classification according to the the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition)

Classified as Dangerous Goods

LABEL ELEMENTS:

Hazard pictograms	
Pictogram name	GHS04 Gas Cylinder
Signal word	**WARNING**
Hazard statements	
Physical Hazards	**H280** Contains gas under pressure; may explode if heated.
Health Hazards	
Environmental Hazards	
Combinations	
Precautionary statements	
General	
Prevention	
Response	
Storage	**P410+P403** Protect from sunlight. Store in a well ventilated space.

OTHER HAZARDS:

None.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCES

This product is a mixture

MIXTURE INGREDIENTS

Ingredient (Designation)	CAS No.	Concentration
Sodium alkyl ether sulphate	73665-22-2	1 - <5%
Diethylene glycol monobutyl	112-34-5	1 - < 5%
Ethanol, ethyl alcohol	64-17-5	1 - <5%
Nitrogen UN1066	7727-37-9	not known, gas

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

After inhalation

If signs or symptoms occur, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

After skin contact

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a medical doctor. Wash contaminated clothing before reuse and dispose of contaminated shoes.

After eye contact

Immediately flush eyes with large amounts of water. Get immediate medical attention.

After ingestion

If swallowed, call a medical doctor immediately. Only induce vomiting at the instruction of a medical doctor. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE, DELAYED AND AGGREVATED

No information available

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

See above. If symptoms persist, call a physician.

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

This is an extinguishing agent.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

At high temperature: concentrate gives toxic products. Thermal decomposition of usage concentrations does not present a hazard.

ADVICE FOR FIREFIGHTERS

In case of fire the product may be violently or explosively reactive. If safe to do so, remove containers from path of fire. Keep containers and fire-exposed surfaces cool with water spray. This product should be prevented from entering drains and watercourses.

Appropriate personal protective equipment for fire fighters:

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Avoid eye and skin contact.

Hazchem code:

No Hazchem Code issued to these articles. No HIN issued under RID and ADR.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid skin and eye contact

ENVIRONMENTAL PRECAUTIONS

If possible contain the spill.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water.

Place in a closed container.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Advice on safe use of product:

Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Advice on safe handling:

Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mist or vapours in the work atmosphere.

Environmental precautions:

Prevent the build up of mist or vapours in the work atmosphere.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures and storage conditions:

Store at temperatures above 0°C and below 60°C.

Requirements for storage rooms and containers:

Store away from areas where product may come into contact with food or pharmaceuticals. Keep container closed when not in use.

Store and cover in shade. Ensure that storage conditions comply with applicable local and national regulations.

Unsuitable container/equipment material:

No information available.

Information on combines storage:

No information available.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS / OCCUPATIONAL EXPOSURE LIMIT VALUES

No exposure standards have been established for this material. However, the available exposure limits for the mixtures ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	CAS No.	TWA*	STEL**
Ethyl Alcohol (Ethanol)	64-17-5	ppm - 1000 mg/m^3 ppm - 1880 mg/m^3	No value assigned

*TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

**STEL (Short Term Exposure Limit): The average airborne concentration over a minute period which should not be exceeded at any time during a normal eight-hour workday.

EXPOSURE CONTROLS

Appropriate engineering controls:

Use with good general ventilation. If solids/dusts are produced, local exhaust ventilation should be used. Systems under pressure should be regularly checked for leakages.

Individual protective measures, e.g. Personal Protective Equipment:

The following recommendations should be considered: Wear chemical goggles, chemical resistant gloves and in poor ventilated areas use appropriate respiratory protection.

Environmental exposure controls

Not known

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance **- Physical state:** **- Colour:**	 Liquid 'Pale straw'
Odour:	Mild pleasant
Odour threshold:	no information available
pH:	7.0-9.0
Melting point (°C):	no information available
Boiling point (°C):	97
Molar mass:	no information available
Critical temperature (°C):	no information available
Flash point (°C):	no information available
Evaporation rate (ether=1):	no information available
Flammability range (vol% in air):	Non flammable.
Vapour pressure (at 20°C):	no information available
Vapour density:	no information available
Relative density, gas (air=1):	no information available

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

Relative density, liquid (water =1):	no information available
Solubility in water:	no information available
Partition coefficient n-octanol/water:	no information available
Viscosity at 20°C (mPa.s):	no information available
Explosive properties:	Not explosive
Molecular weight:	no information available
Stability in temperature (°C):	0~+60
Other information:	Apparent density (g/m^3): 1.02 Does not ignite.

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY

None

CHEMICAL STABILITY

Stable under normal ambient storage and handling conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

No information available

CONDITIONS TO AVOID

None

INCOMPATIBLE MATERIALS

Materials to avoid:

None

HAZARDOUS DECOMPOSITION PRODUCTS

No decomposition if stored and applied as directed.

SECTION 11 - TOXILOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Toxicity Information This chemical formulation has not been tested for health effects.	
Acute toxicity:	This product has not been tested
Skin corrosion/irritation:	This product has not been tested
Serious eye damage/irritation:	This product has not been tested
Respiratory or skin sensitisation:	This product has not been tested
Respiratory or skin sensitisation:	This product has not been tested
Germ cell mutagenicity:	This product has not been tested
Carcinogenicity:	This product has not been tested
Reproductive toxicity:	This product has not been tested
Specific Target Organ Toxicity (STOT)– single exposure:	This product has not been tested
Specific Target Organ Toxicity (STOT) – repeated exposure:	This product has not been tested
Aspiration hazard:	This product has not been tested

INFORMATION ON POSSIBLE ROUTES OF EXPOSURE

Eye contact:	Mildly irritating for short periods of time
Skin contact:	May be mildly irritating
Inhalation:	Irritant to the respiratory tract
Ingestion:	Not an expected route of entry
Acute overexposure:	See above
Chronic overexposure:	Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

EARLY ONSET SYMPTOMS RELATING TO EXPOSURE

No known effects from this product.

DELAYED HEALTH EFFECTS FROM EXPOSURE

No known effects from this product.

EXPOSURE LEVELS AND HEALTH EFFECTS

No known effects from this product.

INTERACTIVE EFFECTS

No known effects from this product.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY

Not determined.

PERSISTENCE AND DEGRADABILITY

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

BIOACCUMULATIVE POTENTIAL

Not determined.

MOBILITY IN SOIL

product has not been tested.

OTHER ADVERSE EFFECTS

Not determined

FURTHER INFORMATION

None

SECTION 13 - DISPOSABLE CONSIDERATIONS

DISPOSABLE METHODS

No harm to the environment is expected from this preparation. Dispose of in compliance with local, state and Commonwealth regulations.

PHYSICAL/CHEMICAL PROPERTIES THAT MAY AFFECT DISPOSAL OPTIONS

Not determined

EFFECTS OF SEWAGE DISPOSAL

Not determined

SPECIAL PRECAUTIONS FOR INCINERATION OR LANDFILL

Not determined

SECTION 14 - TRANSPORT INFORMATION

Labelling ADG, IMO/IMDG, ICAO/IATA	2.2 Non flammable, non toxic gas
Road and Rail Transport (ADG Code)	
Classification:	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road & Rail (Seventh edition, 7.4, 2015)

SECTION 14 - TRANSPORT INFORMATION (CONTINUED)

UN number	1044
Proper shipping name:	FIRE EXTINGUISHERS with compressed or liquefied gas
Transport hazard class/division:	2.2
Packing group:	N/A
HAZCHEM - Emergency Action Code	No Hazchem Code issued to these articles. No HIN issued under RID and ADR.
Special Provisions:	225
Limited Quantities:	120mL
Packing Instruction:	P003
Special Packing Provisions:	PP91
Placard load Incompatabilities:	**Division 1 - Explosives** **Division 2.1 - Flammable Gases** when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity. **Division 2.3 Toxic Gases** when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity. **Division 4.2 - Spontaneously Combustible Substances** **Division 5.2 - Organic Peroxides**
Marine transport (IMO/IMDG)	
Classification:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN number:	1044
Proper shipping name:	FIRE EXTINGUISHERS with compressed or liquefied gas
Division:	2.2
Environmental hazards for Transport Purposes:	Not a known pollutant according to the International Maritime Dangerous Goods (IMDG) Code. Substance is not classified as having an acute aquatic toxicity hazard.
Emergency Schedule (EmS) - Fire:	F-C
Emergency Schedule (EmS) - Spillage:	S-V
Special provisions:	225
Air transport (ICAO/IATA)	
Classification:	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN number:	1044
Proper shipping name:	FIRE EXTINGUISHERS with compressed or liquefied gas
Division:	2.2
Packing instruction (Cargo Aircraft only):	213
Packing instruction (Passanger and Cargo Aircraft):	Restricted.
Special Provisions:	A19

SPECIAL PRECAUTIONS FOR USER

Not available.

SECTION 15 - REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

AICS (Australia)

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted

CHEMICAL ASSESSMENT

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16 - OTHER INFORMATION

KEY LITERATURE REFERENCES AND SOURCES

Classification in accordance with the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].

This Safety Data Sheet where necessary has been established in accordance with the applicable European Union legislation and has used calculation methods of regulation (EC) 1272/2008 CLP / (EC) 1999/45 DPD.

Standard for the Uniform Scheduling of Medicines and Poisons. (SUSMP)

Australian Inventory of Chemical Substances (AICS)

Australian Code for the Transport of Dangerous Goods by Road & Rail (2015, 7th Edition, 7.4)

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Workplace exposure standards for airborne contaminants, Safe work Australia.

International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

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Please refer to our internet website for more information: www.flamestop.com.au

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For contact information please go to page 1 of this SDS.

END OF SDS.