FlameStop

SAFETY DATA SHEET

REVISED EDITION NO: **5**
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FlameStop NSW (Head Office)
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SECTION 1 - IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PRODUCT IDENTIFIER:

FLAMESTOP WET CHEMICAL EXTINGUISHER

OTHER MEANS OF IDENTIFICATION:

FSZ200WC FLAMESTOP 2.0 LITRE WET CHEMICAL PORTABLE EXTINGUISHER
FSZ700WC FLAMESTOP 7.0 LITRE WET CHEMICAL PORTABLE 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
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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 code	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

MIXTURE INGREDIENTS

Ingredient (Designation)	CAS No.	Concentration
Potassium acetate	127-08-2	<10%
Potassium Citrate	6100-05-6	10-<30%
Water (H_2O)	7732-18-5	>60%
Nitrogen UN1066	7727-37-9	Not known, gas

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

After inhalation

Seek medical attention.

After skin contact

Wash affected area with soap and water. If irritation persists, seek medical attention.

After eye contact

Wash with water for a minimum of 15 minutes. If irritation persists, seek medical attention.

After ingestion

Give plenty of water. Seek medical advice if necessary.

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

None.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

See above. If symptoms persist, seek medical attention.

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Product is an extinguishing media. Use appropriate fire extinguisher for surrounding environment.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No special hazards expected.

ADVICE FOR FIRE FIGHTERS

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:

Wear appropriate personal protective equipment and clothing to minimise exposure. Avoid skin and eye contact.

ENVIRONMENTAL PRECAUTIONS

If possible contain the spill.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Spillage presents no hazard. Flush with water.

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:

Always store in dry, cool area out of direct sunlight in original container with lid tightly closed.

SECTION 7 - HANDLING AND STORAGE (CONTINUED)

Requirements for storage rooms and containers:

Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

Suitable container/equipment material:

No information available.

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

According to the Hazardous Chemical Information System (HCIS), no exposure standards have been established for this mixture or its ingredients.

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 although not needed: Wear chemical goggles, chemical resistant gloves and dust mask.

Environmental exposure controls

No information available.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance **- Physical state:** **- Colour:**	 Liquid Clear
Odour:	Neutral
Odour threshold:	Odour threshold is subjective and inadequate to warn for overexposure.
pH:	8.5
Melting point (°C):	no information available
Boiling point (°C):	no information available
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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Vapour density:	no information available
Relative density, gas (air=1):	no information available
Relative density, liquid (water =1):	no information available
Solubility in water:	completely soluble
Partition coefficient n-octanol/water:	no information available
Viscosity at 20°C (mPa.s):	no information available
Explosive properties:	no information available
Molecular weight:	no information available
Other information:	Specific gravity: ~1.17

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY

Reacts with incompatible materials.

CHEMICAL STABILITY

No special measures are necessary. Stable under normal ambient storage and handling conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

No information available

CONDITIONS TO AVOID

Not known

INCOMPATIBLE MATERIALS

None.

HAZARDOUS DECOMPOSITION PRODUCTS

None.

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

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:	Non harmful
Skin contact:	Non harmful
Inhalation:	Negligible. Vapour pressure at ambient temperature considered.
Ingestion:	Not an expected route of entry, however, ingestion may cause irritation.
Acute overexposure:	See above
Chronic overexposure:	None

EARLY ONSET SYMPTOMS RELATING TO EXPOSURE

No information available

DELAYED HEALTH EFFECTS FROM EXPOSURE

No information available

EXPOSURE LEVELS AND HEALTH EFFECTS

No information available

INTERACTIVE EFFECTS

No information available

OTHER INFORMATION

No information available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY

No ecological data available for this mixture.

PERSISTENCE AND DEGRADABILITY

No information available.

BIOACCUMULATIVE POTENTIAL

No information available.

MOBILITY IN SOIL

No information available.

ENVIRONMENTAL PROTECTION

Prevent this material entering waterways, drains and sewers.

SECTION 13 - DISPOSABLE CONSIDERATIONS

DISPOSABLE METHODS

No harm to the environment is expected from this preparation. Dispose of waste according to applicable local and national regulations.

PHYSICAL/CHEMICAL PROPERTIES THAT MAY AFFECT DISPOSAL OPTIONS

Not determined.

EFFECTS OF SEWAGE DISPOSAL

Not determined.

SPECIAL PRECAUTIONS FOR INCINERATION OR LANDFILL

No information available.

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)
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**

SECTION 14 - TRANSPORT INFORMATION (CONTINUED)

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 Safety 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

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

END OF SDS.