

SECTION 1 - IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PRODUCT IDENTIFIER:

MEGAFIRE ABE FIRE EXTINGUISHER

OTHER MEANS OF IDENTIFICATION:

DRY CHEMICAL POWDER TYPE PORTABLE FIRE 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: MEGAFire Pty Ltd
Street: Level 2, 333 George Street
Postal code/city: Sydney, NSW. 2000
Country: Australia
Telephone: 1300 653 818 - 8am-4:30pm AET Mon-Fri
E-mail: sales@megafire.com.au
Website: <http://www.megafire.com.au>
Dept. responsible for information: Management

EMERGENCY CONTACT NUMBER: +61 402 245 194

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

Classified 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:

No other hazards.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCES

This product is a mixture.

HAZARDOUS INGREDIENTS

Ingredient (Designation)	CAS No.	Percentage of Ingredients
Mono Ammonium Phosphate	7722-76-1	40-90%
Ammonium Sulphate	7783-20-2	10-60%
Silica Gel	112926-00-8	0.3%
Nitrogen UN1066	7727-37-9	Not known, gas

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

After inhalation

Remove from exposure. If irritation persists, seek medical help.

After skin contact

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

After eye contact

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

After ingestion

If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

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

Not known

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

This is an extinguishing agent. Use appropriate fire extinguisher for surrounding environment.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Ammonia and/or phosphorous oxides can be evolved at very high temperatures. Exposure to fire may cause containers to rupture/explode.

SECTION 5: FIREFIGHTING MEASURES (CONTINUED)

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.

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. Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation.

ENVIRONMENTAL PRECAUTIONS

If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to the applicable local and national regulations.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

If possible contain the spill. Sweep or vacuum up contents and place in sealed labelled container for disposal.

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 dust and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Environmental precautions:

Prevent the build up of dusts 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:

Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations. Do not allow any part of a cylinder to be exposed above 50°C. Storage areas should be kept clean and free from flammable materials. Ensure that containers are properly vented to prevent build up of pressure. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom.

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

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

Safe Work, Australia Exposure Standards:

Substance	CAS No.	TWA*	STEL**
Silica Gel	112926-00-8	ppm - 10 mg/m ³	No value assigned (for inspirable dust containing no asbestos and less than 1% crystalline silica)
Nitrogen***	7727-37-9	No value assigned	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.

*** Nitrogen is an asphyxiant gas which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. It is not appropriate to recommend an exposure standard for an asphyxiant, rather it should be required that a sufficient oxygen concentration be maintained.

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 dust mask.

Environmental exposure controls

Not known

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Physical state: - Colour:	Powder Solid White
Odour:	No odour warning properties
Odour threshold:	Odour threshold is subjective and inadequate to warn for overexposure.
pH:	4.5
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
Vapour density:	no information available
Relative density, gas (air=1):	no information available
Relative density, liquid (water =1):	no information available
Solubility in water (mg/l):	no information available
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:	Stability in temperature: -60°C~+60°C

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

None.

SECTION 10 - STABILITY AND REACTIVITY (CONTINUED)

CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

INCOMPATIBLE MATERIALS

Materials to avoid:

Not determined.

HAZARDOUS DECOMPOSITION PRODUCTS

Ammonia and/or phosphorous oxides can be evolved at very high temperatures.

SECTION 11 - TOXICOLOGICAL 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

SECTION 11 - TOXICOLOGICAL INFORMATION (CONTINUED)

INFORMATION ON POSSIBLE ROUTES OF EXPOSURE

Ingestion (swallowing):	Although not an expected route of entry, If ingested, may cause discomfort.
Skin exposure:	May be mildly irritating.
Eye exposure	May be mildly irritating for short periods of time.
inhalation:	Treat as a mineral dust. Irritant to the respiratory tract. Transient cough and shortness of breath may occur.
Acute Overexposure	See above
Chronic Overexposure	Chronic fibrosis of the lung, pneumoconiosis.

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.

MIXTURES OF CHEMICALS

No known effects from this product.

OTHER INFORMATION

No information available

INTERACTIVE EFFECTS

No information available

OTHER INFORMATION

No information available

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY

Not determined

PERSISTENCE AND DEGRADABILITY

Not determined

SECTION 12 - ECOLOGICAL INFORMATION (CONTINUED)

BIOACCUMULATIVE POTENTIAL

Not determined

MOBILITY IN SOIL

Not determined

OTHER ADVERSE EFFECTS

Not determined

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

None

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

SECTION 14 - TRANSPORT INFORMATION (CONTINUED)

Limited Quantities:	120mL
Packing Instruction:	P003
Special Packing Provisions:	PP91
Placard load Incompatibilities:	<p>Division 1 - Explosives</p> <p>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.</p> <p>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.</p> <p>Division 4.2 - Spontaneously Combustible Substances</p> <p>Division 5.2 - Organic Peroxides</p>
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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