

SDS SAFETY DATA SHEET

PRODUCT DESCRIPTION:	High Expansion Foam Concentrate 20ltr
CODES:	RFHEX20
CATEGORY:	FOAM PRODUCTS
REVISION DATE:	17 FEBRUARY 2017

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Identifier:	High Expansion Foam Concentrate				
Other Means of Identification:	<table border="0" style="width: 100%;"> <tr> <td style="width: 20%;">Part Number</td> <td>Product Description</td> </tr> <tr> <td>RFHEX20</td> <td>High Expansion Foam Concentrate 20litre container</td> </tr> </table>	Part Number	Product Description	RFHEX20	High Expansion Foam Concentrate 20litre container
Part Number	Product Description				
RFHEX20	High Expansion Foam Concentrate 20litre container				
Recommended use of the chemical:	Water based foam concentrate, fire fighting medium.				
Supplier Name: Address: Telephone Number: Emergency Number: Website: Email:	Australia Wide Fire Supplies Unit 5/54 Pendlebury Road, Cardiff NSW 2285 +61 2 4954 0333 Emergency 000 AWFS +61 2 4954 0333 (9am-5pm AET, Mon-Fri) www.awfs.com.au sales@awfs.com.au				

AUSTRALIA WIDE FIRE SUPPLIES ABN 80393915621 UNIT 5/54 PENDLEBURY RD CARDIFF NSW 2285

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SECTION 2 – HAZARDS INFORMATION**GHS Classification of the chemical**

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

GHS Classification

Mildly irritating to eyes	Category 2B
Acute Aquatic Toxicity	Category 3
Acute Toxicity, Oral	Category 5
Acute Toxicity Dermal	Category 5

GHS Label Elements

Pictogram:	None
Signal Word:	Warning

Hazard Statements

H303	Maybe harmful if swallowed.
H320	Causes eye irritation.
H402	Harmful to aquatic life.
H313	May be harmful in contact with skin.

Precautionary Statements**Prevention**

P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330	Rinse mouth.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In Case of Fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
P391	Collect spillage.

Other Hazards

None.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**General Information:**

Fire fighting foam based on water soluble detergents.

Chemical Name	CAS Number	Proportion
Cocamidopropyl Betaine	61789-40-0	1-5%
Fatty acids, coco, compounds with diethanolamine	61790-63-4	5-10%
Sodium Laureth-5 Sulfate	9004-82-4	5-10%
Dipropylene glycol, monomethyl	34590-94-8	10-20%
Alpha Olefin Sulfonate	Proprietary	5-10%
Water	7732-18-5	40-50%

SECTION 4 – FIRST AID MEASURES

If Inhaled:	Remove promptly to fresh air. If respiratory irritation, dizziness, nausea, unconsciousness occurs, seek medical attention. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if breathing stops.
In case of Skin Contact:	Wash off with soap and plenty of water. Seek medical attention if irritation persists.
In case of Eye Contact:	Flush eye with water for a minimum of 15 minutes, keep moving eyes to ensure complete flushing. Seek medical attention promptly if irritation persists or loss of vision occurs.
If Swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water and if conscious, dilute stomach contents by giving large amounts of Water. Seek medical attention. Do not attempt to induce vomiting or give anything by mouth to an unconscious person. Resuscitate if the subject has stopped breathing.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section Hazards Identification) and/or in Toxicological Information.

Indication of any immediate medical attention and special treatment needed.

No data available.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:	Use water fog (or if unavailable, fine water spray), dry chemical, carbon dioxide or foam.
Specific hazards arising from the substance or mixture:	Burning can produce carbon monoxide and/or carbon dioxide.

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Advice for Firefighters:	Use water to cool exposed containers. If safe to do so, remove containers from path of fire. For major fires or where atmosphere is Oxygen deficient or contains unacceptable levels of combustion products, firefighters must wear self-contained breathing apparatus with full-face mask and protective clothing. Prevent spillage from entering drains or water courses.
Further Information:	No data available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Avoid breathing vapors, mist or gas. For personal protection see section 8.
Environmental precautions:	Do not let product enter drains.
Methods and materials for containment and cleaning up:	Contain and recover product when possible. Collect product in an appropriate container and place in a chemical waste container. Collected empty containers can be disposed of through local council waste removal services.
Reference to other sections:	For disposal see section 13.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Precautions for Safe Handling:	Protect against physical damage. Make certain the containers are well sealed when not in use.
Conditions for Safe Storage, including any incompatibilities:	Store in a cool, dry well ventilated location. Keep containers closed at all times. Not to be stored with explosives, flammable gases in bulk, poisonous gasses, spontaneously combustible substances, oxidizing agents, organic peroxides or radioactive substances.
Specific End Uses:	Apart from the uses mentioned in section 1 no other specific.
Reference to other sections:	Not applicable.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Control Parameters

National Exposure Standards

Standard Name	CAS No	TWA (ppm)	TWA (mg/m ³)
Dipropylene glycol,	34590-94-8	50	308

Sk Absorption through the skin may be significant source of exposure.

No Exposure Standards have been assigned by the National Occupational Health and Safety Commission for other components of this product at the use levels.

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Exposure Controls:	Appropriate engineering controls. General industrial hygiene practice.
Respiratory Protection:	Respiratory protection is not required for the diluted product or when handling concentrate. If necessary use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Skin Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Protective gloves.
Body Protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and specific to the workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Eye/Face Protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Other protective equipment:	None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Clear medium viscosity liquid.
Odour:	Neutral.
Boiling Point:	100°C
Solubility in Water:	Completely soluble.
Specific Gravity: (H₂O = 1)	1.01 @ 20°C
Physical State:	Liquid.
pH:	7.5 @ 20°C
Flash Point:	Non flammable.
Flammability:	Non flammable.
Flammable Limits LEL:	Non flammable.
Flammable Limits UEL:	Non flammable.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	Data not available.
Chemical stability:	Stable under normal storage conditions.
Conditions to Avoid:	Data not available.
Incompatible materials:	Strong oxidizing agents.

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Hazardous decomposition products:	Data not available. In the event of fire: see section 5.
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SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute toxicity:	No data available. Not a likely source of exposure, however, moderate quantities of concentrate may cause irritation. Potential symptoms include nausea, diarrhea, abdominal pain and vomiting.
Inhalation:	No data available. Ingredients are considered non-hazardous when used as directed.
Skin Corrosion/Irritation:	No data available. May cause skin irritation if prolonged contact with the concentration occurs, which can result in redness, itchiness, swelling and possibly lead to dermatitis. Continual exposure to dilute solutions will cause loss of natural skin oils and drying of skin.
Serious Eye Damage/Eye Irritation:	No data available. The concentrate is considered an eye irritant. May cause eye soreness.
Respiratory or Skin Sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	No data available.
Specific Target Organ Toxicity (STOT) – single exposure:	No data available.
Specific Organ Target Toxicity (STOT) – repeated exposure:	No data available.
Aspiration Hazard:	No data available.
Additional Information:	RTECS: Not available. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity:	No data available. Harmful to aquatic life when diluted and in concentrate form. Not harmful to birdlife.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

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Results of PBT and vPvB Assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Product	Collect residue for recovery, recycling or as waste material. Product must not be disposed of to the sewerage system, drains or waterways.
Contaminated Packaging:	Dispose of container and unused contents in accordance with federal, state and local requirements. Empty container and lid can be recycled as per local council waste recycling regulations.

SECTION 14 – TRANSPORT INFORMATION

UN Number:	Not applicable.
UN Proper Shipping Name:	Not Dangerous Goods
Transport Hazardous Class(es):	Not applicable.
Packaging Group:	Not applicable.
Environmental Hazards:	Not applicable.
Special Precautions for User:	Not data available.

SECTION 15 – REGULATORY INFORMATION

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

Standard for the Uniform Scheduling of Medicines and Poisons

No data available.

Carcinogen Classification under WHS Regulation 2011, Schedule 10

Not listed.

Notification Status

AICS: On the inventory, or in compliance with the inventory.

DSL: All components of this product are on the Canadian DSL.

ENCS: On the inventory, or in compliance with the inventory.

NZIoC: On the inventory, or in compliance with the inventory.

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SECTION 16 – OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

- H303 Maybe harmful if swallowed.
 H320 Causes eye irritation.
 H402 Harmful to aquatic life.
 H313 May be harmful in contact with skin.

Revision, Date of preparation of this MSDS:	17 February 2017
Disclaimer	<i>This SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company listed in section 1.</i>

End SDS