SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	Sabre FC Foam Cleaner – 500ml
Product Use:	Cleaner
Restrictions of use:	Refer to Section 15
New Zealand Supplier:	Sabre Adhesives Ltd
Address:	40-42 Cambridge Street Levin, 5510, New Zealand
Telephone:	+64 (0)6 366 0007
Emergency No:	**0800 764 766 (National Poison Centre)**
Australian Supplier:	Sabre Adhesives Ltd
Address:	Level 6, 10 Herb Elliot Avenue, Sydney, NSW, 2127
Telephone No:	+61 2 9098 8244
Emergency No:	**13 11 26 (National Poison Line)**
Date SDS Issued:	29 July 2021

Section 2. Hazards Identification

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

New Zealand:
This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

NZ - EPA Approval Code: Aerosols (Flammable) – HSR002515

Pictograms

SIGNAL WORD: DANGER

GHS Classification and Category	Hazard Code	Hazard Statement
Aerosol Cat. 1	H222	Extremely flammable aerosol.
Aerosol	H229	Pressurised container: may burst if heated.
Eye Irritation Cat. 2	H319	Causes serious eye irritation.
Narcotic effects	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P103	Read label before use.

P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing as detailed in Section 8.

Response Code	**Response Statement**
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	**Storage Statement**
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Disposal Code	**Disposal Statement**
P501	Dispose of according to the local authorities

Section 3. Composition of hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Acetone	60 - <100	67-64-1
Dimethyl Ether	30 - <60	115-10-6

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

If on Skin — Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

If Swallowed — Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention if needed.

If Inhaled — Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Not applicable

Inhalation: May cause drowsiness or dizziness.
Skin: Not applicable.
Eye: Causes serious eye irritation.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable Aerosol
Hazards from products	As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.
Suitable Extinguishing media	If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2). IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.
Precautions for firefighters and special protective clothing	Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit.) Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.
HAZCHEM CODE	**2YE**

Section 6. Accidental Release Measures

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

Section 7. Handling and Storage

Handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not spray on an open flame or other ignition source.
- Pressurized container: Do not pierce or burn, even after use.
- Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition.
- Control sources of ignition (mobile phones, sparks.) and transfer at slow speeds to avoid the creation of electrostatic charges.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Keep containers hermetically sealed.
- Control spills and residues, destroying them with safe methods (section 6).
- Avoid leakages from the container.

- Maintain order and cleanliness where dangerous products are used.
- Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing as detailed in Section 8.

Storage:
- Store locked up.
- Store in a cool, well-ventilated place. Keep container tightly closed.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

Exposure Limit Values:

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Acetone (bio) [67-64-1]	500	1,185	1,000	2,375
Dimethylether [115-10-6]	400	766	500	958

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls
Provide adequate ventilation.

Personal Protection Equipment

Eyes	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water.
Hands	Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications. Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (0,4 mm), Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin	Protective clothing and anti-slip shoes.
Respiratory	No data available.

Section 9 Physical and Chemical Properties

Appearance	Aerosol

Colour	Colourless
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	-25 ºC (Propellant)
Melting Point	Not available
Freezing Point	Not available
Flash Point	-41^{0}C(propellant)
Flammability	Not available
Upper and Lower Explosive Limits	1.1% - 7.4%
Vapour Pressure	<300000 Pa (300 kPa) @ 50^{0}C
Density	733 kg/cm^3 @ 20 ^{0}C
Specific Gravity	Not available
Solubility in water	Not available
Partition Coefficient:	Not available
Auto Flammability	240^{0}C (propellant)
Oxidising	Not available
Viscosity	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under the prescribed storage conditions.
Conditions to Avoid	Avoid direct heat or sunlight.
Incompatible Materials	Strong acids, alkalis or bases.
Hazardous Decomposition Products	Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. ATE Mix = LD50 = >5000mg/kg
Dermal	Not applicable. ATE Mix = LD50 = >5000mg/kg
Inhalation	May cause drowsiness and dizziness. ATE Mix = LC50 = >20mg/L
Eye	Causes serious eye irritation.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Components:

Identification	Acute toxicity		Genus
acetone CAS: 67-64-1	LD50 oral	5800 mg/kg	Rat
	LD50 dermal	7426 mg/kg	Rabbit
	LC50 inhalation	76 mg/L (4 h)	Rat
dimethyl ether CAS: 115-10-6	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	308.5 mg/L (4 h)	Rat

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Biodegradation	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Ecotoxicity:

Identification	Acute toxicity		Species	Genus
acetone	LC50	5540 mg/L (96 h)	Oncorhynchus mykiss	Fish
	EC50	8800 mg/L (48 h)	Daphnia pulex	Crustacean
	EC50	3400 mg/L (48 h)	Chlorella pyrenoidosa	Algae

Persistence and degradability:

Identification	Degradability		Biodegradability	
acetone CAS: 67-64-1	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	96 %

Bioaccumulative potential:

Identification	Bioaccumulation potential	
acetone CAS: 67-64-1	BCF	1
	Pow Log	-0.24
	Potential	Low

Mobility in soil:

Identification	Absorption/desorption		Volatility	
acetone CAS: 67-64-1	Koc	1	Henry	2.93 Pa·m^3/mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.304E-2 N/m (25 ºC)	Moist soil	Yes

Section 13. Disposal Considerations

General: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional authority requirements.

Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in Australia; ADG 7
This product is classified as a Dangerous Good for transport: NZS 5433:2012

Road, Rail, Sea and Air Transport

UN No	1950
Class - Primary	2.1
Packing Group	N/A
Proper Shipping Name	AEROSOLS, FLAMMABLE
Marine Pollutant	No

Section 15 Regulatory Information

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

Poison Schedule No: Not Scheduled.

New Zealand:
This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

NZ - EPA Approval Code: Aerosols (Flammable) - HSR002515

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	3000L(AWC)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	3000L(AWC)
Fire Extinguisher Quantities	3000L(AWC) – 1x required
Emergency Response Plan	3000L(AWC)
Secondary Containment	3000L(AWC)
Fire Extinguisher	3000L(AWC)
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat	Category
EC50	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC50	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.

UEL Upper Explosive Level
WES Workplace Exposure Limit

References:
Australia:
1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
6. American Conference of Industrial Hygienists (ACGIH).
7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:
1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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