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Disclaimer:
CHESSER CHEMICALS Pty Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Product: Bio FAZE

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

SIGNAL WORD:

DANGER



 **Emergency Response No: CHEMWATCH 1800 951 288**

RECOMMENDED PPE



Health hazards

H312
H314

Harmful in contact with skin
Causes severe skin burns and eye damage.

**1 IDENTIFICATION****IDENTIFICATION**

Product Code:	BIF
Product Name:	BIO FAZE
Other Names:	Not applicable
Product Use:	Bio film treatment and drain cleaner
Restrictions on use:	Use as directed. Consider appropriate PPE

COMPANY DETAILS

Company:	CHESSER CHEMICALS Pty Ltd
ABN Number:	67 008 262 039
Address:	124 Days Road FERRYDEN PARK SA 5010
Telephone Number:	(08) 8406 0000
Facsimile Number:	(08) 8406 0099
Emergency Telephone Number:	CHEMWATCH 1800 951 288

Other Information: This information summarises our best knowledge on the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

2 HAZARD IDENTIFICATION

HAZARDOUS according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

Classification of the substance or mixture:

Skin Corrosion/Irritation	- Category 1
Eye Damage/Irritation	- Category 1

SIGNALWORD:**DANGER**

CORROSION



Environment

Hazard Statements**Physical hazards****Health hazards**

H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage.

Environmental hazards

H410	Very toxic to aquatic life with long lasting effects
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Other hazards**Precautionary statements****General precautionary statements****Prevention precautionary statements**

P260	Do not breathe dust/fume/gas/mist/vapours/spray
P264	Wash Hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response precautionary statements

P312	Call a POISON CENTER or doctor/physician if you feel unwell
P304+P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P363	Wash contaminated clothing before reuse



P310 Immediately call a POISON CENTER or doctor/physician
 P321 Specific treatment (see ... on this label)
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Storage precautionary statements

P405 Store locked up

Disposal precautionary statements

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Poisons Schedule (SUSMP): 6

3 COMPOSITION**Ingredients**

Chemical Entity	CAS Number	Proportion	Risk Phrases
Alkyl dimethyl ethylbenzyl ammonium chloride	[85409-23-0]	1 – 10%	H301 H314 H351 H413
Alkyl dimethyl benzyl ammonium chloride	[68391-01-5]	1 – 10%	H301 H314 H351 H413
Sodium carbonate	[497-19-8]	40 – 60%	H319
Alkaline salts	various	1 – 10%	H319
Water	[7732-18-5]	to 100%	

4 FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

Swallowed Rinse mouth with water. Give water to drink provided victim is conscious. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention immediately.

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Skin If spilt on large areas of skin or hair, immediately drench with running water and remove contaminated clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor. Wash clothing and shoes before reuse.

Inhaled Remove victim from exposure to fresh air - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm and at rest. Seek medical advice if effects persist.

Advice to Doctor Treat symptomatically based on judgement of doctor and individual reactions of patient. For severe exposures, monitor for delayed onset of pulmonary oedema.

Aggravated medical conditions caused by exposure No information available on medical conditions which are aggravated from exposure to this product.

5 FIRE FIGHTING MEASURES

Extinguishing Media In case of fire, appropriate extinguishing media is water.

Hazards from Combustion Products Oxidizing Solid. Storage vessels involved in a fire may vent gas or rupture due to internal pressure. Damp material may decompose exothermically and ignite combustibles. Oxygen release due to exothermic decomposition may support combustion. Incompatible with oxidizing agents, acids, bases, reducing agents, heavy metals, combustible materials and sources of ignition. Containers may burst violently. Thermal decomposition releases oxygen and heat. Pressure bursts may occur due to gas evolution. Pressurization if confined when heated or decomposing.

Special Protective Precautions and Equipment for Fire Fighters Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

Flammability Conditions Product is an Oxidizing Solid.

Additional Information

Hazchem Code Not applicable

6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures Personnel involved in the clean up should wear full protective clothing. Avoid accidents, clean up immediately. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. Stop leak if safe to do so. Isolate the danger area. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. Shut off all possible sources of ignition. Avoid contact with humid air for the corrosive effect of its aqueous solution.



Methods and Materials for Containment and Clean Up Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to suitable, labelled, corrosion-resistant containers and dispose of promptly as hazardous waste.

7 HANDLING AND STORAGE

Precautions for Safe Handling Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment.

Conditions for Safe Storage (Including Any Incompatibles) Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including oxidizing agents, acids, bases, reducing agents, organic materials, heavy metals, combustible materials and sources of ignition. Protect from direct sunlight, water, moisture and static discharges. Store at temperatures below 40°C. This product has a UN classification of 1759 and a Dangerous Goods Class 8 (Corrosive) according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.

Container Type Packaging must comply with requirements of Hazardous Substances (Packaging) Regulations 2001. Store in original packaging as approved by manufacturer.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

National Exposure Standards No exposure standard has been established for this product by the Australian National Occupational Health and Safety Commission (NOHSC). However, the exposure standard for dust not otherwise specified is 10mg/m³ (for inspirable dust) and 3mg/m³ (for respirable dust).

Biological Limit Values No information available on biological limits for this product.

Engineering Controls A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection

RESPIRATOR: Wear an approved respirator where dust/vapours are generated and engineering controls are inadequate (EN141).

EYES: Chemical safety goggles (EN166) and a full face shield.

HANDS: Wear PVC, neoprene or rubber gloves (EN374).

CLOTHING: Wear chemical resistant suit and footwear.



9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White Powder	
Formula	Not applicable	
Odour	Odourless	
Vapour Pressure	Not applicable.	
Vapour Density	Not available	
Boiling Point	Not available	
Melting Point	Not applicable	
Solubility in Water	200g/L (20°C)	
Specific Gravity	Not applicable	
Flash Point	Not applicable.	
pH	12 to 14 (1% Solution (25°C))	
Lower Explosion Limit	Not applicable.	
Upper Explosion Limit	Not applicable.	
Ignition Temperature	Not applicable.	
Specific Heat Value	Not applicable.	
Particle Size	Not applicable.	
Volatile Organic Compounds (VOC) Content	Not applicable.	
Evaporation Rate	Not applicable.	
Viscosity	Not applicable.	
Percent Volatile	0%	
Octanol/Water partition coefficient	Not applicable.	
Saturated Vapour Concentration	Not applicable.	
Additional Characteristics	Not applicable.	
Flame Propagation/Burning Rate of Solid Materials		Not applicable.
Properties of Materials That May Initiate or Contribute to Fire Intensity		Not applicable.
Potential for Dust Explosion	Not applicable.	
Reactions that Release Flammable Gases	Not applicable.	



Fast of Intensely Burning Characteristics	Not applicable.
Non-flammables That Could Contribute Unusual Hazards to a Fire	Not applicable.
Release of Invisible Flammable Vapours and Gases	Not applicable.
Decomposition Temperature	Not applicable
Additional Information	Exothermic Decomposition: >60°C Bulk Density: 1.05g/cc

10 STABILITY AND REACTIVITY

Chemical Stability	Product is stable under directed conditions of use, storage and temperature.
Conditions to Avoid	Avoid excessive heat, generating dust, direct sunlight, static discharges, water, moisture and temperatures exceeding 40°C.
Incompatible Materials	Incompatible with oxidizing agents, acids, bases, reducing agents, organic materials, heavy metals, combustible materials and sources of ignition.
Hazardous Decomposition Products	Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with increasing temperature and may be very vigorous with rapid generation of large volume of oxygen and steam. Decomposes in contact with water and acids, forming hydrogen peroxide.
Hazardous Reactions	No data available.

11 TOXICOLOGICAL INFORMATION

Toxicity Data	Quaternary Ammonium Compound	LD ₅₀ Oral Rat	> 50 - 500	mg/kg
	Health Effects - Acute			
Swallowed	May be harmful or fatal if swallowed! Symptoms include vomiting and diarrhoea.			
Eye	May cause severe eye irritation or burns. Symptoms include pain, redness and reversible damage.			
Skin	May cause slight skin irritation.			
Inhaled	May cause severe respiratory tract irritation or burns. Symptoms include coughing, sneezing, difficulty in breathing and sore throat.			

12 ECOLOGICAL INFORMATION

Ecotoxicity	The active components quaternary ammonium compound reflect acute aquatic toxicity. These results relate to the concentrated active in laboratory conditions. When an aquatic safety assessment was made in River waters at formulated dilutions the toxicity was greatly reduced
Persistence and Degradability	Readily biodegradable
Mobility	No information available on mobility for this product. Soluble in water.
Environmental Fate (Exposure)	Not environmentally detrimental in this formulation at use dilutions.
Bio-accumulative Potential	No evidence of bioaccumulation associated with this product.

13 DISPOSAL CONSIDERATIONS

Disposal	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/ reconditioned at an approved facility.
Special Precautions for Land Fill or Incineration	Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with 'The Hazardous Waste Act'.

14 TRANSPORT INFORMATION

Road and Rail Transport
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN No:	1759
Transport Hazard Class:	8 Corrosive
Packing Group:	III
Proper Shipping Name:	CORROSIVE SOLIDS, N.O.S. Dioctyldimethylammonium Chloride & alkaline salts
Hazchem or Emergency Action Code:	2X





SAFETY DATA SHEET

CHESSERCHEMICALS

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1759
Transport Hazard Class: 8 Corrosive
Packing Group: III
Proper Shipping Name or Technical Name:



CORROSIVE SOLIDS, N.O.S.
Dioctyldimethylammonium Chloride & alkaline salts

IMDG EMS Fire: F-A
IMDG EMS Spill: S-B

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1759
Transport Hazard Class: 8 Corrosive
Packing Group: III
Proper Shipping Name or Technical Name:



CORROSIVE SOLIDS, N.O.S.
Dioctyldimethylammonium Chloride & alkaline salts

15 REGULATORY INFORMATION

Poisons Schedule 6
EPG 8A1 CORROSIVE SUBSTANCES

AICS Name Mixture of Dioctyldimethylammonium Chloride and alkaline salts.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

Classification:

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:

Skin Corrosion/Irritation - Category 1
Eye Damage/Irritation - Category 1

Hazard Statement(s):

H314 Causes severe skin burns and eye damage

16 OTHER INFORMATION

Literature References No data available.

Sources for Data No data available.

Legend to Abbreviations and Acronyms

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
cm²	square centimetres
CO₂	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	degrees Celsius
ERMA	Environmental Risk Management Authority
G	gram
g/cm³	grams per cubic centimetre
LD50	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals
Ltr	Litre
m³	cubic metre
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m³	milligrams per cubic metre
Misc	miscible
Miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
mPa.s	milli Pascal per second

g/l	grams per litre
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
Immiscible	liquids are insoluble in each other
Kg	kilogram
kg/m³	kilograms per cubic metre
LC50	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
N/A	Not Applicable
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	tonne
TWA	Time Weighted Average
ug/24H	micrograms per 24 hours
UN	United Nations (number)
Wt	weight



CHESSERCHEMICALS

SAFETY DATA SHEET

Page 7 of 7
Product: **Bio FAZE**
Issued: February 2024

Thursday 8th February 2024 Version 1.1 Supersedes Wednesday 10th July 2019
Update CHEMWATCH Phone Number
Update Health Hazard Statements add

H312

Harmful in contact with skin



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