SAFETY DATA SHEET

METHSAN (B) FOG BOOST

ACTICHEM PTY LTD

Catalogue number: **DR636** Version No: **1.1** Issue date: **01/04/2025**Safety Data Sheet according to WHS and ADG requirements.

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	MethSan (B) Fog Boost
Product code	DR636
Pack sizes	5L

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Decontaminating main wash boost

Details of the manufacturer/importer

Registered company name	ACTICHEM PTY LTD
Address	11 Gamma Close, Beresfield 2322 NSW Australia
Telephone	(02) 4966 5516
Website	www.actichem.com.au
Email	info@actichem.com.au

The Restoration Group Ltd
53 Wakefield Street, Onekawa, Napier 4110, New Zealand
(06) 835 0065
www.restorationgroup.co.nz
iinfo@restortiongroup.co.nz

Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	800 764 766
Other emergency telephone numbers	Not Available

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
GHS Classification	Serious Eye Damage Category 1, Skin Corrosion/Irritation Category 2
	Classification drawn from HCIS and ECHA C&L Inventory.

Label elements

Hazard pictograms	
SIGNAL WORD	**DANGER**

Hazard statement(s)

H318	Causes serious eye damage
H315	Causes skin irritation

Precautionary statement(s) Prevention

P280	Wear protective gloves and eye protection.

Precautionary statement(s) Response

P305+P310+P351+P338	IF IN EYES: Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P362+P352+P332+P313	IF ON SKIN: Take off contaminated clothing. Wash with plenty of water and soap. If skin irritation occurs, get medical advice / attention.

Precautionary statement(s) Storage

Not applicable

Precautionary statement(s) Disposal

Not applicable

This SDS and the hazard classifications contained herein only apply to the product in its concentrated form as supplied. When diluted as recommended and ready-to-use, they no longer apply. However, good hygiene and housekeeping practices should be adhered to.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No 67-	%[weight]	Name isopropanol sodium carbonate EDTA tetra
63-0 497-19-	10-<30 <10	sodium salt proprietary quaternary ammonium
8 64-02-8	<10 <10	compound blend proprietary surfactant A proprietary
Trade secret	<10 <10	surfactant B
Trade secret		
Trade secret		

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Seek medical attention without delay. Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If pain persists or recurs seek medical attention.
Skin Contact	If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
Inhalation	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. Seek medical advice / attention without delay
Ingestion	Rinse mouth with water. Give plenty of water to drink provided victim is conscious. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. Do NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media	The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

Special hazards arising from the substrate or mixture.

Fire incompatibility	None known

Advice for firefighters

Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use firefighting procedures suitable for surrounding area. **DO NOT** approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
Fire/Explosion Hazard	The material is not readily combustible under normal conditions. However, it will break down under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers. May emit acrid smoke. Decomposes on heating and produces toxic fumes of: carbon monoxide (CO), carbon dioxide (CO2), oxides of nitrogen and other pyrolysis products typical of burning organic material. May emit corrosive fumes.
HAZCHEM	Not applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.
Major Spills	Wear protective gloves and eye protection. Prevent, by any means available, spillage from entering drains or water courses. Stop leak if safe to do so. Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.

PPE	Personal Protective Equipment advice is contained in Section 8 of the SDS

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	**DO NOT** allow clothing wet with material to stay in contact with skin. Avoid all personal contact, including inhalation? Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. **DO NOT** allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handling, **DO NOT** eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers.
Other information	

Conditions for safe storage, including any incompatibilities.

Suitable container	Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	Is incompatible with acids and oxidising agents.,

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	isopropanol	Isopropyl alcohol	400 ppm / 983 mg/m3	1230 mg/m3 / 500 ppm	Not Available	Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2 2000 ppm 83	TEEL-3 12000 ppm
isopropanol	Isopropyl alcohol	400 ppm	mg/m3 EDTA	500 mg/m3 EDTA
sodium carbonate	Soda ash	7.6 mg/m3	tetrasodium salt	tetrasodium salt
EDTA tetrasodium salt	EDTA tetrasodium salt	EDTA tetrasodium salt		

Ingredient	Original IDLH	Revised IDLH
isopropanol	2000 ppm Not	Not Available
sodium carbonate	Available Not	Not Available
EDTA tetrasodium salt	Available	Not Available

Exposure controls

Appropriate engineering controls	Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended
Personal protection	
Eye and face protection	Safety glasses with side shields OR Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation. Lens should be removed in a clean environment only after workers have washed hands thoroughly.
Skin protection	See Hand protection below
Hands/feet protection	Wear elbow length chemical protective gloves. Butyl or neoprene are recommended for this application.
Body protection	See Other protection below
Other protection	Overalls. P.V.C. apron. Barrier cream. Skin cleansing cream. Eye wash unit.
Thermal hazards	Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear blue liquid

Physical state	Liquid	**Relative density (Water = 1)**	Not Available
Odour	Lemon	**Viscosity (cSt)**	Not Available
Odour threshold	Not Available	**Auto-ignition temperature**	Not Available
pH (as supplied)	10.1	**Decomposition temperature**	Not Available
Melting point / freezing point (°C)	Not Available	**Partition coefficient n-octanol / water**	Not Available
Initial boiling point and boiling range (°C)	Not Applicable	**Surface Tension (dyn/cm or mN/m)**	Not Available
Flash point (°C)	Not Available	**Taste**	Not Available
Evaporation rate	Not Available	**Explosive properties**	Not Available
Flammability	Nonflammable	**Oxidising properties**	Not Available
Upper Explosive Limit (%)	Not Applicable	**Molecular weight (g/mol)**	Not Available
Lower Explosive Limit (%)	Not Applicable	**Volatile Component (%vol)**	Not Available
Vapour pressure (kPa)	Not Available	**Gas group**	Not Available
Solubility in water (g/L)	Miscible	**pH as a solution (1%)**	Not Available
Vapour density (Air = 1)	Not Available	**VOC g/L**	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	May cause irritation to the respiratory system
Ingestion	Harmful if swallowed. May cause irritation to the mouth, throat, oesophagus and stomach.
Skin Contact	Irritating to the skin. May cause redness, itching and swelling.
Eye	If applied to the eyes, this material causes severe eye damage.
Chronic	No relevant data.

Toxicological effects of ingredients

isopropanol	Acute toxicity	Oral LD50 (rat) 5045 – 5840 mg/kg Dermal LD50 (rabbit) 12800 mg/kg Inhalation LC50 (rat) 16000 ppm/8h
	Skin corrosion/irritation	May be irritating to skin Causes serious eye irritation
	Eye damage/irritation	Not expected to be a sensitizer
	Respiratory/skin sensitization	Not considered to be a mutagenic hazard Not considered to be a carcinogenic hazard. Not considered to be
	Germ cell mutagenicity	toxic to reproduction May cause drowsiness or dizziness Not expected to cause toxicity to a specific organ Not
	Carcinogenicity	expected to be an aspiration hazard
	Reproductive toxicity	Oral LD50 (rat) 2800 mg/kg Dermal LD50 (rat) 2000 mg/kg
	STOT (single exposure)	Prolonged or repeated contact may cause mild irritation
	STOT (repeated exposure)	Irritant. May cause pain, redness, discomfort
	Aspiration toxicity	Not sensitizing
sodium carbonate	Acute toxicity	Not genotoxic
	Skin corrosion/irritation	No Data Available
	Eye damage/irritation	Not toxic to reproduction
	Respiratory/skin sensitization	No data available
	Germ cell mutagenicity	No data available
	Carcinogenicity	No data available
	Reproductive toxicity	
	STOT (single exposure)	
	STOT (repeated exposure)	
	Aspiration toxicity	
EDTA tetrasodium salt	Acute toxicity	Oral LD50 (rat): >1780 - <2000 mg/kg
	Skin corrosion/irritation	Contact with skin may result in irritation
	Eye damage/irritation	Irritant (rabbit).
	Respiratory/skin sensitization	Not sensitizing
	Germ cell mutagenicity	No adverse effect observed
	Carcinogenicity	Not listed as carcinogenic according to the International Agency for Research on Cancer (IARC).
	Reproductive toxicity	No Data Available
	STOT (single exposure)	No Data Available
	STOT (repeated exposure)	No Data Available
	Aspiration toxicity	No Data Available
proprietary surfactant A	Acute toxicity	Oral LD50 (rat) 550 mg/kg Dermal LD50 (rabbit) >2000 mg/kg
	Skin corrosion/irritation	Causes skin irritation.
	Eye damage/irritation	Causes serious eye irritation.
	Respiratory/skin sensitization	This product is not expected to cause skin sensitization.
	Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
	Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
	Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
	STOT (single exposure)	Respiratory tract irritation.
	STOT (repeated exposure)	Not applicable.
	Aspiration toxicity	Not applicable.
proprietary quaternary ammonium compound	Acute toxicity	Inhalation >20 mg/L Dermal 200 -1000 mg/kg Oral 300-2000 mg/kg
	Skin corrosion/irritation	Corrosive (irreversible effects to skin)
	Eye damage/irritation	Corrosive (irreversible effects to eyes)
	Respiratory/skin sensitization	Not a sensitiser
	Germ cell mutagenicity	Classified as non-hazardous
	Carcinogenicity	Classified as non-hazardous
	Reproductive toxicity	Classified as non-hazardous
	STOT (single exposure)	Classified as non-hazardous
	STOT (repeated exposure)	Classified as non-hazardous
	Aspiration toxicity	Classified as non-hazardous

proprietary surfactant B	Acute toxicity	Oral LD50 (rat) 2292 mg/kg Skin irritant Eye irritant (OECD 437)
	Skin corrosion/irritation	
	Eye damage/irritation	There is no data available
	Respiratory/skin sensitization	No known significant effects or critical hazards.
	Germ cell mutagenicity	No known significant effects or critical hazards.
	Carcinogenicity	No known significant effects or critical hazards.
	Reproductive toxicity	There is no data available There is no data available There is no data available
	STOT (single exposure)	
	STOT (repeated exposure)	
	Aspiration toxicity	

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

	Endpoint	Duration (Hr.)	Species	Value
EDTA tetrasodium salt	LC50	96	Fish	41mg/L
	EC50	48	Crustacea Algae or other	140mg/L
	EC50	72	aquatic plants Algae or other	=1.01mg/L
	EC10	72	aquatic plants Algae or other	=0.48mg/L
	NOEC	33	aquatic plants	0.0003802-mg/L
isopropanol	LC50	96	Fish	9-640mg/L
	EC50	48	Crustacea	12500mg/L
	EC50	72	Algae or other aquatic plants	>1000mg/L
	EC0	24	Crustacea	5-102mg/L
	NOEC	504	Crustacea	=30mg/L
sodium carbonate	LC50	96	Fish	300-mg/L
	EC50	48	Crustacea	-156.6-298.9mg/L
	EC50	96	Algae or other aquatic plants	242-mg/L
	NOEC	48	Crustacea	<424-mg/L
proprietary surfactant A	EC50	72	Algae	5.6 mg/L
	EC50	48	Daphnia	2.8 mg/L
	LC50	96	Fish	5.6 mg/L
proprietary surfactant B	EC50	48	Daphnia	37.9 mg/L
	LC50	96	Fish	36.9 mg/L

Harmful to aquatic organisms.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
isopropanol proprietary	LOW (Half-life = 14 days)	LOW (Half-life = 3 days)
surfactant A proprietary	Readily biodegradable	
surfactant B	Readily biodegradable	

Bio accumulative potential

Ingredient	Bioaccumulation LOW
isopropanol proprietary	(LogKOW = 0.05) No
surfactant A proprietary	data available No data
surfactant B	available

Mobility in soil

Ingredient	Mobility HIGH
Isopropanol proprietary	(KOC = 1.06) No
surfactant A proprietary	data available No
surfactant B	data available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / packaging disposal	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (Not Applicable:)NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

SECTION 15 REGULATORY INFORMATION

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

SODIUM CARBONATE IS FOUND ON THE FOLLOWING REGULATORY LISTS
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals Australia
Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5 Australia
Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6 Australian
Inventory of Industrial Chemicals (AIIC)

ISOPROPANOL IS FOUND ON THE FOLLOWING REGULATORY LISTS
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australian Inventory of Industrial Chemicals (AIIC)
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs
EDTA TETRASODIUM SALT IS FOUND ON THE FOLLOWING REGULATORY LISTS
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals
Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 4
Australian Inventory of Industrial Chemicals (AIIC)
PROPRIETARY SURFACTANT A IS FOUND ON THE FOLLOWING REGULATORY LISTS
Australian Inventory of Industrial Chemicals (AIIC)
PROPRIETARY SURFACTANT B IS FOUND ON THE FOLLOWING REGULATORY LISTS
Australian Inventory of Industrial Chemicals (AIIC)
PROPRIETARY QUATERNARY AMMONIUM COMPOUND IS FOUND ON THE FOLLOWING REGULATORY LISTS
Australian Inventory of Industrial Chemicals (AIIC)
Australia Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

SECTION 16 OTHER INFORMATION

Revision Schedule

Revision Date	Not applicable
Initial Date	07/08/2023

SDS Version Summary

Version	Issue Date	Sections Updated
1.1	07/08/2023	All sections originated

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources such as the ECHA C&L Chemical Inventory, HSNO (CCID) New Zealand, AICIS and HCIS Australia

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Definitions and abbreviations

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL:	Permissible Concentration-Short Term Exposure Limit
IARC:	International Agency for Research on Cancer
ACGIH:	American Conference of Government Industrial Hygienists
STEL:	Short Term Exposure Limit
TEEL:	Temporary Emergency Exposure Limit
IDLH:	Immediate Danger to Life or Health Concentrations
OSF:	Odour Safety Factor
NOAEL:	No Observed Effects Level
TLV:	Threshold Limit Value
LOD:	Limit Of Detection
OTV:	Odour Threshold Value
BCF:	Bio Concentration Factors
BEI:	Biological Exposure Index

End of SDS