

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

PRODUCT IDENTIFIER

Product Name	BTMS 80 Palm Free
Other Names	Behentrimonium Methosulfate
Recommended Use	Cosmetic ingredient


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 9 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

GHS / HSNO Hazard Classification	Serious eye damage/eye irritation, Category 1 Specific target organ toxicity — Repeated exposure, Category 2 Hazardous to the aquatic environment — Acute Hazard, Category 1 Hazardous to the aquatic environment — Chronic Hazard, Category 2	8.3A 6.9B 9.1A 9.1B
HSNO Approval Number	HSR002503	
Hazard Nature	This product is classified as HAZARDOUS under HSNO criteria	
Pictogram(s)		
Signal Word	DANGER	
Hazard Statement(s)	H315 - Causes skin irritation. H318 - Causes serious eye damage. H373 - May cause damage to organs through prolonged or repeated exposure. H410 - Very toxic to aquatic life with long lasting effects.	
Prevention Statements(s)	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash skin after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.	
Response Statement(s)	P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor. P314 - Get medical advice/attention if you feel unwell. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse.	
Storage Statement(s)	Nil	
Disposal Statement(s)	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.	

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS No.	% [weight/volume]
Docosyltrimethylammonium methosulphate	81646-13-1	60 – 100
Propan-2-ol	67-63-0	10 – 20

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

General Advice	Remove/Take off immediately all contaminated clothing. Get medical advice/attention if you feel unwell.
Skin contact	Immediately flush skin with soap and plenty of water.
Eye contact	Rinse immediately with plenty of water and seek medical advice.
Ingestion	Get medical advice/attention immediately.

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Inhalation	Remove person to fresh air. Get medical advice/attention if symptoms occur.
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SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray jet. Alcohol-resistant foam
Unsuitable extinguishing media	Carbon dioxide (CO ₂). Dry powder. High volume water jet
Hazards from combustion products	No additional information available
Specific hazards during firefighting	In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO), Nitrogen oxides (NO _x), Sulphur trioxide
Special protective equipment for firefighters	Self-contained breathing apparatus
EAC code	2Z

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear suitable protective equipment. Ensure adequate ventilation. Keep away sources of ignition.
Environmental precautions	The product should not be allowed to enter drains, water courses or the soil.
Methods and material for containment and cleaning up	Pick up mechanically. Rinse away rest with warm water.

SECTION 7 HANDLING AND STORAGE

Advice on protection against fire and explosion	Not highly flammable. Take precautionary measures against electrostatic charging. In order to avoid electrostatic charging, do not roll or drag the drum. After transportation, the container should be allowed to stand for one hour before opening, thus allowing sufficient time for charge relaxation in the container. Flammable solvent vapours may collect in the vapour spaces of closed containers. Keep away from fire and other sources of ignition.
Advice on safe handling	Provide adequate ventilation. Take measures to prevent the build-up of electrostatic charge. Handle and open container with care.
Hygiene measures	Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.
Further information on storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep only in the original container at temperature not exceeding 40°C. Hygroscopic. Keep away from direct sunlight.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	Components	CAS-No.	Value type (Form of exposure)		Control parameters / Permissible concentration	Basis
	Propan-2-ol	67-63-0	TWA	400 ppm, 983 mg/m ³		AU OEL
STEL			500 ppm, 1,230 mg/m ³		AU OEL	
TWA			200 ppm		ACGIH	
STEL			400 ppm		ACGIH	

Biological occupational exposure limits	Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
	Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/L	ACGIH BEI

Personal protective equipment	Respiratory protection: Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure. Hand protection: Short-term exposure (splash protection) use nitrile rubber gloves. Long-term exposure use impervious butyl rubber gloves Eye protection: Depending on the risk, wear sufficient eye protection, and if necessary, face shield. Protective measures: Do not inhale vapours. Avoid contact with skin and eyes.
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pellets	Burning number	5 – Complete combustion
Colour	White yellowish	Vapour pressure	43 hPa
Odour	Of isopropanol	Relative vapour density	2.7
pH (conc.: 10g/L)	7.0 – 9.0	Density	0.9 g/cm ³ (20°C)
Melting point	80 – 85 °C	Water solubility	0.05 g/L soluble, turbid (70°C)
Boiling point	Decomposes below boiling point	Decomposition temperature	≈ 288 °C
Burning rate	265 s		

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See "Possibility of hazardous reactions".
Chemical stability	Stable. The product is sensitive to light. Hygroscopic.
Possibility of hazardous reactions	Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.
Conditions to avoid	Keep away from heat. Keep away from flames and sparks.
Incompatible materials	Not known.
Hazardous decomposition products	No decomposition if stored and applied as directed.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity	Acute oral toxicity - LD50 (Rat): > 2,000 mg/kg
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	Non-sensitizing
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.




SECTION 12 ECOLOGICAL INFORMATION

Ecology - general	Very toxic to aquatic life with long lasting effects.
Persistence and degradability	Biodegradation 80 %. Exposure time 28 d
Bioaccumulative potential	No additional information available.
Mobility in soil	No additional information available.

SECTION 13 DISPOSAL CONSIDERATION

Disposal Methods	Waste from residues: In accordance with local authority regulations, take to special waste incineration plant. Contaminated packaging: Packaging that cannot be cleaned should be disposed of as product waste.
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SECTION 14 TRANSPORT INFORMATION

	Land Transport (ADR/RID)	Sea Transport (IMDG)	Air Transport (IATA/ICAO)
UN number	3077	3077	3077
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Transport hazard class(es)	9 	9 	9 
Packing group	III	III	III
Environmental hazards	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS: F-A S-F	Dangerous for the environment: Yes
Non-dangerous good of class 9 for packagings <= 5 L / 5 kg			

SECTION 15 REGULATORY INFORMATION

HSNO Group Standard: Additives, Process Chemicals and Raw Materials
(Subsidiary Hazard) Group Standard 2017
HSNO Approval Number: HSR002503

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted

Dangerous Goods Classification: Classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land"

Proper shipping name: Environmentally hazardous substance, solid, n.o.s
Class: 9
Packing group: III
UN no. UN 3077
Primary risk: 9
Hazchem Code: 2Z
Remarks: Shipment permitted
Hazard inducer(s): Behenyl trimethyl ammonium methosulfate

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

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Pure Ingredients Ltd