

COCAMIDOPROPYL BETAINE - PALM FREE – SAFETY DATA SHEET
SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING
PRODUCT IDENTIFIER

Product name (as on label)	Cocamidopropyl Betaine - Palm Free
Other names	CAPB-KG30, CAPB-CG30, Cocamidopropyl betaine, Coco amido propyl betaine, Coco betaine, Coco alkylidimethyl betaine
Uses	Surfactant in personal care, cosmetics and washing/cleaning products; Emulsifier

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	626A Rosebank Road, Avondale Auckland 1026 New Zealand
Telephone	+649 8135619
Website + Email	www.pureingredients.co.nz + compliance@pureingredients.co.nz

EMERGENCY TELEPHONE NUMBER

CHEMCALL	0800 CHEMCALL / 800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	NZ Poisons Centre 0800 POISON (0800 764 766)

SECTION 2 HAZARDS IDENTIFICATION
HSNO Hazard Classification: 6.3A, 6.4A, 9.1A

Hazardous Nature: This product is classified as hazardous under HSNO criteria.


 Pictogram:
 Signal Word: Warning

HAZARD STATEMENT:	H315 H400	Causes skin irritation Very toxic to aquatic life	H319	Causes serious eye irritation
PREVENTION:	P264 P280	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	P273	Avoid release to the environment.
RESPONSE:	P302 + P352: IF ON SKIN: Wash with plenty of soap and water P332+P313: If skin irritation occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. 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. P391 Collect spillage			
DISPOSAL:	P501	Dispose of contents, or container in accordance with local/regional/national/international regulation.		

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS Number	Proportion (%v/v)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts	61789-40-0	29 – 31
Sodium chloride	7647-14-5	<6
Glycerine	56-81-5	<3
Water/inerts	7732-18-5	<62

SECTION 4 FIRST AID MEASURES

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

Inhalation	Move the victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if concerned.
Skin/Hair Contact	If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If skin irritation occurs, get medical advice. Launder contaminated clothing before re-use.
Eye Contact	Hold eyelids apart and flush the eye with running water for at least 15 minutes. Seek medical attention if irritation persists
Ingestion	Wash mouth with water. Drink a glass of water or milk, if conscious. Seek medical attention if concerned or if large amount has been consumed.

First Aid facilities: Provide eye baths and safety showers.

Medical Attention: Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

SAFETY DATA SHEET

SECTION 5 FIREFIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media: Water spray, carbon dioxide, foam or dry powder.

Hazards from combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides, sulphur oxides.

Specific Hazards: No specific hazards

Precautions for fire fighters and special protective equipment: Full protective clothing and self-contained breathing apparatus

Hazchem Code: 3Z

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Controls: Wear protective clothing, goggles and protective PVC or rubber gloves. Spillages are slippery.

Emergency Procedures: Prevent material from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment:

Major Land Spill:

- Eliminate sources of ignition
- Warn occupants of downwind areas of possible fire and explosion hazard
- Prevent product from entering sewers, watercourses, or low-lying areas
- Keep the public away from the area
- Shut off the source of the spill if possible and safe to do so
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation
- Take measures to minimise the effect on ground water
- Contain any spilled liquid with sand or earth
- Recover liquid spills by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations
- See "First Aid Measures" and "Stability and Reactivity"

Major Water Spill

- Eliminate any sources of ignition
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard
- Notify the port or relevant authority and keep the public away from the area
- Shut off the source of the spill if possible and safe to do so
- Confine the spill if possible
- Remove the product from the surface by skimming or with suitable absorbent material
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations
- See "First Aid Measures" and "Stability and Reactivity".

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation and contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. Freezing will affect physical condition but will not damage the material. Thaw frozen material before using. Avoid localized overheating. Vent drums while heating. Mix thoroughly to ensure homogeneity.

Conditions for safe storage: Store in a well-ventilated place in tightly closed original containers. Keep away from heat and sources of ignition, and incompatible materials. Recommended packing materials: Plastic materials. Avoid uncoated metals.

Incompatible materials: Strong acids, strong bases, strong oxidising agents, strong reducing agents.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: The time weighted average (TWA) concentration, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week for this product is: No values established. The short-term exposure limit (STEL), which is the maximum allowable exposure concentration at any time is: No values established.

Biological limit values: No values established

Engineering Controls: Ventilation. The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face or full-face filter mask to protect from overexposure by inhalation.

Recommended Filter Type: Refer to AS/NZS 1715: Selection, Use and Maintenance of Respiratory Equipment and AS/NZS 1716: Respiratory Protective Devices for further details on the use of respiratory protective equipment.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/ Body Protection: Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.

Recommended glove material: PVC

SAFETY DATA SHEET

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light yellow liquid	Vapour Density @ 20°C	Not available
Odour	Slight	Autoignition Temperature	Not available
Odour Threshold ppm	Not available	Decomposition Temperature	Not available
Melting Point/Range	Not available	Viscosity @ 20°C cSt	Not available
Boiling Point/ Range	> 100 °C	pH (5% solution)	4.0 – 6.0
Flash Point (aqueous preparation)	> 101 °C	Partition Coefficient @ 20°C	-0.4
Flammability	Not available	Percent Volatiles	Not available
Relative Density @ 20°C	1.05	Solubility with Water %w/w	Completely soluble
Vapour Pressure @ 20°C kPa	Not determined	Other Solubility %w/w	Practically insoluble in common organic solvents.
Explosive Limits (LEL – UEL) %	Not available	Other information	-

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable at room temperature and pressure
Conditions to Avoid	Sources of heat and ignition, open flames.
Hazardous Decomposition Products	No decomposition except on burning.
Hazardous Reaction	Reactions with oxidising agents, bases and strong acids.
Hazardous Polymerisation	Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Effects:

Ingestion: Expected to be of low oral toxicity. Eye Contact: Strongly irritating. Skin Contact: Irritating. Inhalation: No information available.
Chronic Effects: No chronic health data is available for this material.
Other Health Effects Information: No additional adverse health effects noted.

Toxicological Information

Oral / Dermal LD50: LD50 (oral, rat) >2335 mg/kg; LD50 (dermal, rat) > 2000 mg/kg
Inhalation LC50: No data available
Acute Toxicity (6.1A, 6.1B, 6.1C, 6.1D): Not classified as an acute toxicant.
Aspiration Hazard (6.1E): Not classified
Respiratory Irritation (6.1E): Not classified
Skin Corrosion/Irritation (8.2A, 8.2B, 8.2C, 6.3A): Causes skin irritation
Serious Eye damage/irritation (8.3A, 6.3A): Causes serious eye irritation
Respiratory or Skin Sensitisation (6.5A, 6.5B): Not classified
Germ cell mutagenicity (6.6A, 6.6B): Not classified
Carcinogenicity (6.7A, 6.7B): Not classified
Reproductive Toxicity (6.8A, 6.8B, 6.8C): Not classified
Specific Organ Toxicity (Repeated and Single Exposure) (6.9A, 6.9B): Not classified
Narcotic Effects (6.9B): Not classified

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity

Fish toxicity, LC50 (96 hr): LC50: 1-10 mg/L
Crustacean toxicity (Daphnia Magna), EC50 (48 hr): EC50 1-10 mg/L/48 h
Green algae toxicity, EC50 (72 hr): EC50: 0.55mg/L for 100% conc.
Blue-green algae toxicity (Cyanobacteria), EC50 (72 hr): No data available

Persistence/Degradability: Readily and rapidly degradable. Biodegradation in water: Species: Activated Sludge; Test Duration: 28 days; Under the test conditions, the test item proved to be readily biodegradable (i.e., 87.2% biodegradation after 28 days).

Mobility: No information available

Bioaccumulative Potential: Low potential for bioaccumulation. BCF ranges between 3 (C8 fatty acid derivate) and 71 (C10 – C18 and C18 unsaturated fatty acid derivatives).

Other Information: Classified as very toxic to aquatic life


SAFETY DATA SHEET

SECTION 13 DISPOSAL CONSIDERATION

Disposal	Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain harmful residue and/or fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry.
Special Precautions for Landfill or Incineration	This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product must be disposed as chemical waste in accordance with the local authority.

SECTION 14 TRANSPORT INFORMATION

Transport	Road and Rail Transport		Marine Transport		Air Transport	
	UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	Proper Shipping Name	ENVIRONMENTAL LY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S	
DG Class	9	DG Class	9	DG Class	9	
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None	
Pack Group	III	Pack Group	III	Pack Group	III	
Hazchem	3Z	Hazchem	3Z	Hazchem	3Z	

Dangerous Goods Segregation	<p>This product is classified as Dangerous Goods Class 9, packing group III.</p> 
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SECTION 15 REGULATORY INFORMATION

Country/ Region: New Zealand

Inventory: NZIoC

Status: Listed in NZIoC

HSNO Approval: HSR002503: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017 HSNO/HSWA Controls: Refer to the above Group Standard, Health and Safety at Work Act 2015, www.epa.govt.nz and www.worksafe.govt.nz for further information on controls

Certified Handler: Not required

Tracking: Not required

Restriction to workplace: Not applicable

Signage: Threshold quantity: 100 L

Fire extinguishers: Not required

Emergency Response Plan: Threshold quantity: 100 L

Secondary containment: Threshold quantity: 100 L

Agricultural Compounds and Veterinary Medicines Act 1997 (ACVM): Not applicable

Montreal Protocol on Substances that Deplete the Ozone Layer: Not applicable

Stockholm Convention: Not applicable

Rotterdam Convention: Not applicable

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.

Version: 00 Revision Date: 02/13/2019 : PIL SA150 SDS 0004112019 New issue.

Version: 01 Revision Date: 04/05/2020: PIL SDS Change of address - no changes to SDS.

Reference:

- Supplier Safety Data Sheets
- EPA CCID <https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/> (November 18)
- Workplace Exposure Standards and Biological Exposure Indices. 9th Edition, published by WorkSafe New Zealand November 2017. <https://worksafe.govt.nz/topic-and-industry/work-related-health/monitoring/exposure-standards-and-biological-exposure-indices> (November 18)
- US EPA Toxnet ChemIDPlus: <http://chem.sis.nlm.nih.gov/chemidplus> (November 18)
- OECD eChemPortal Substance Search <https://www.echemportal.org/echemportal/participant/page.action?pageID=9> (November 18)