

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product Identifier

Revision Date 2023-02-15  
Synonyms COCAMIDOPROPYL BETAINE

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

#### 1.3 Details of the supplier of the safety data sheet

YellowBee Packaging and Supplies Inc.  
#106, 2880 107 Ave SE  
Calgary, AB T2Z3R7  
(587)-352-3929

#### 1.4 Emergency telephone number

CANUTEC 1-888-226-8832 Toll Free (Worldwide)  
1-613-996-6666 Collect calls accepted

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

Skin Irritation Category 2  
Sensitisation, Skin Category 1  
Eye Irritation Category 2  
Aquatic Hazard, Chronic Category 3

#### 2.2 Label elements



Irritant

H315-Causes skin irritation  
H317-May cause an allergic skin reaction  
H319-Causes serious eye irritation  
H412-Harmful to aquatic life with long lasting effects

#### Prevention

P261-Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264-Wash skin thoroughly after handling.  
P272-Contaminated work clothing should not be allowed out of the workplace.  
P273-Avoid release to the environment.  
P280-Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

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.  
P332+P313-IF SKIN irritation occurs: Get medical advice/attention.  
P333+P313-IF SKIN irritation or rash occurs: Get medical advice/attention.  
P337+P313-IF eye irritation persists: Get medical advice/attention.  
P362-Take off contaminated clothing and wash before reuse.

#### Storage

P401-Store away from incompatible materials.

#### Disposal

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

### 2.3 Other hazards

### 2.4 Unknown Acute Toxicity (US)

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical Name	CAS Number	EC No.	Concentration % by Weight	Classification
1-Propanaminium, 3-Amino-N-(Carboxymethyl Sodium Chloride (NaCl)	61789-40-0 7647-14-5	263-058-8 231-598-3	28.0 - 30.0 <= 6.0	

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

#### After inhalation

Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

#### After skin contact

In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

#### After eye contact

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

#### After ingestion

If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

#### Self-protection of the first aider

### 4.2 Most important symptoms and effects, both acute and delayed

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat according to person's condition and specifics of exposure. Skin contact may aggravate existing skin disease.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

(small fires): dry chemical, carbon dioxide,  
(large fire): alcohol foam, universal foam, water spray,

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Product will burn under fire conditions. Closed containers may explode (due to the build up of pressure) when exposed to extreme heat.  
Hazardous Combustion Products: Oxides of nitrogen, oxides of sulfur, oxides of carbon.

### 5.3 Advice for firefighters

Firefighters should wear NIOSH/MSHA approved self contained breathing apparatus and full protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid eyes/face contact. Avoid skin contact. Do not take internally.

### 6.2 Environmental precautions

Do not flush to drain.

### 6.3 Methods and material for containment and cleaning up

Absorb with an inert absorbent. Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. Collect washings for disposal.

### 6.4 Reference to other sections

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. DO NOT ALLOW TO FREEZE. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers. Store in an area should be less than 40°C that is dry, well ventilated, away from incompatible materials (see Section 10. Stability and Reactivity), Expected shelf life if stored at recommended temperature s: 24 months.

### 7.3 Incompatibilities/Specific end uses(s)

#### Incompatibilities

#### Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Engineering Controls/Exposure Controls

#### Engineering controls

Ventilation and Eye wash station recommended

#### Environmental exposure controls

### 8.3 Protective Measures

#### Eye/face protection

Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

#### Hand protection

Skin contact should be minimized through use of gloves and suitable long sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

#### Other Skin protection

Uniforms, coveralls, or a lab coat should be worn.

#### Other protection

Remove contaminated clothing and launder before reuse.

#### Respiratory protection

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

#### General hygiene consideration

Wash exposed areas with soap and water.

#### Thermal hazards

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearances	Colourless to Yellow Liquid	Autoignition Temp	Not Available.
Bioconcentration Factors (BCFs)	Not Available.	Boiling Points	> 100°C (212 °F) at 760 mmHg
Bulk Densities	Not Available.	Coefficient of Octanol	Not Available.
Colour	Colourless to Yellow	Decomposition temperature	Not Available.
Densities	Not Available.	Evaporation Rate	Not Available.
Explosive properties	Not Available.	Extinguishing Media	Not Available.
Extinguishing Media for Fires	Not Available.	Flammability (solid,gas)	Not Available.
Flash Points	Not Available.	Granulometry	Not Available.
Heats of Combustion	Not Available.	Heats of Formation	Not Available.
Henry's Law Constant	Not Available.	InChI Notations	Not Available.
Melting point/freezing point	< 0 °C (32 °F)	Molecular Weights	Not Available.
Odour Threshold Values (Detect)	Not Available.	Odour Threshold Values (Recogn)	Not Available.
Odours	No abnormal odour	Oxidising properties	Not Available.
Percent Volatility	Not Available.	Pour Point	Not Available.
Refractive Index	Not Available.	Relative Density	Not Available.
SMILES Notations	Not Available.	Specific Gravity	Not Available.
State of Matter	Liquid	Upper/lower flammability range	Not Available.
Vapor Densities	Not Available.	Vapor Pressures	Not Available.
Viscosity	Not Available.	Water Miscibilities	Not Available.
Water Solubilities	Soluble	Water Solubilities (Qualitativ)	Not Available.
pH Value	4.5 - 6.0		

### 9.2 Other information

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

Stable under normal temperature and pressure.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

heat, open flame, spark.

### 10.5 Incompatible materials

Strong acids and oxidizing agents

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on likely routes of exposure

**Skin contact** Avoid contact with Skin, causes irritation

**Eye contact** Avoid contact with Eyes, causes irritation

**Inhalation**

**Ingestion**

**Symptoms related to the physical, chemical and toxicological characteristics**

### 11.2 Information on toxicological effects

**Acute Toxicity**

**Chronic effects**

### 11.3 Numerical measures of Toxicity

Mixture (\*)

LD50 Dermal RAT	>2000 mg/kg
LD50 Oral RAT	>5000 mg/kg

**Skin corrosion/irritation** Avoid contact with Skin, causes irritation

**Serious eye damage/eye irritation** Avoid contact with Eyes, causes irritation

**Respiratory sensitization**

**Skin sensitization** Sensitization to skin may occur.

**Carcinogenicity** Not listed as carcinogenic according to IARC, NTP or OSHA.

**Germ cell mutagenicity** Testing has shown this product to be non-mutagenic (Ames test)

**Reproductive toxicity** No adverse effect observed NOAEL 500 mg/kg bw/day (subacute, rat)

**Specific target organ toxicity-single exposure**

**specific target organ toxicity-repeated exposure** No adverse effect observed NOAEL 500 mg/kg bw/day (subacute, rat)

**Aspiration hazard**

## SECTION 12: Ecological information

### 12.1 Toxicity

See below for Ecotoxicity results

Mixture (*)	
EC50 INVERTEBRATE	6.4 mg/L (48 h;(SDS Toxicological Species))
EC50 ALGAE	30 mg/L (48 h;ALGAE;(desmodesmus subspic))
LC50 FISH	1.7-2.4 mg/L (96 h;FISH;(fish))

### 12.2 Persistence and degradability

Readily biodegradable

### 12.3 Bioaccumulative potential

Bioaccumulation Factor (BCF ) - 70.79 L/kg ww

### 12.4 Mobility in soil

Koc at 20°C: 648

### 12.5 Results of PBT and vPvB assessment

### 12.6 Other adverse effects

### 12.7 Additional Information

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Handling for disposal

#### Methods of disposal

Dispose of in accordance with local regulations.

#### Contaminated packaging

Any containers or equipment used should be decontaminated immediately after use.

## SECTION 14: Transport Information

### Ground/Rail

#### 14.1 UN number

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

#### 14.4 Packing group

### 14.5 Environmental hazards

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of Marpol112 and the IBC Code

## SECTION 15: Regulatory information

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

Canada	Canadian Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States of America	Toxic Substances Control Act (TSCA) Inventory List	Yes

### 15.2 Chemical Safety Assessment

### SECTION 16: Other information

N/A

<b>HEALTH</b>	<input type="checkbox"/>
<b>FLAMMABILITY</b>	<input type="checkbox"/>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although YellowBee Packaging and Supplies Inc. believes the above information to be accurate based on the information available to YellowBee, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from YellowBee meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to YellowBee Packaging and Supplies Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

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