

MATERIAL SAFETY DATA SHEET

COCAMIDOPROPYL BETAINE,

SECTION I: Identification of the Substance and the Company

Product identifier

Product code: C3493

Product Name: COCAMIDOPROPYL BETAINE, SOLUTION

Other means of identification

Synonyms: No information available

CAS #: Mixture

RTECS # Not available

CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: No information available.

Uses advised against No information available

Supplier:

DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

Company name: BizinBiz Technologies Pvt Ltd

Company Address: A-448, Pocket 2, Sector 8, Rohini,

New Delhi, Pin Code: 110085, India

Company Web Site: www.elchemy.com

Mobile number: +919867099519

Email Id: info@elchemy.com

SECTION II: Hazards Identification

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Skin corrosion/irritation Category 2



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16192 Coastal Highway,
Lewes, DE 19958

Serious eye damage/eye irritation
Category 2A

Warning

Label elements

Hazard statements Causes skin irritation Causes serious eye irritation



Hazards not otherwise classified (HNOC) Not Applicable

Other hazards Not available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves

Wear eye/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

SECTION III: Composition/Information on Ingredients

Components	CAS-No.	Weight %
Water	7732-18-5	60-65
Cocamidopropyl Betaine	61789-40-0	27-34
Sodium Chloride	7647-14-5	4-6

SECTION IV: First Aid Measures

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

have a poison emergency and need to talk to a
poison specialist. Call 1-800-222-1222.



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Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms: Causes serious eye irritation Moderate eye irritation Causes skin irritation Mild to moderate skin irritation

Indication of any immediate medical attention and special treatment needed Notes to

Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

SECTION V: Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: No information available.

Specific hazards: No information available.

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus



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pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION VI: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Clean contaminated surface thoroughly.

SECTION VII: Handling and Storage.

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials: Strong oxidizing agents Reducing agents

SECTION VIII: Exposure Controls / Personal Protection

Control parameters



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National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Water	7732-18-5	None	None	None	None
Cocamidopropyl	61789-40-0	None	None	None	None
Sodium Chloride	7647-14-5	None	None	None	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Water	7732-18-5	None	None	None	None
Cocamidopropyl	61789-40-0	None	None	None	None
Sodium Chloride	7647-14-5	None	None	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Water	7732-18-5	None	None
Cocamidopropyl Betaine	61789-40-0	None	None
Sodium Chloride	7647-14-5	None	None

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal

protective equipment Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Chemical resistant apron Long sleeved clothing Gloves

Respiratory protection: Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.



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SECTION IX: Physical and Chemical Properties

Physical state: Liquid

Odor:

No information available.

Molecular/Formula weight (g/mole): No information available

Flash Point Tested according to: Not available

Upper Explosion Limit (%): No information available

Boiling point/range(°C/°F): >100°C/ >212°F

Specific gravity: 1.045

Evaporation rate:

No information available

Odor threshold (ppm): No information available

Miscibility:

No information available

Appearance: Clear.

Taste

No information available.

Flammability:

No information available

Autoignition Temperature (°C/°F): No information available

Melting point/range(°C/°F): No information available

Bulk density:

No information available

pH:

No information available

Vapor density: 0.6



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Partition coefficient (n-octanol/water):

No information available

Solubility:

Completely soluble in water

Color: Yellow.

Formula:

No information available

Flashpoint (°C/°F):

No information available.

Lower Explosion Limit (%): No information available

Decomposition temperature(°C/°F): No information available

Density (g/cm³):

No information available

Vapor pressure @ 20°C (kPa): 3.33 @ 25 deg. C

VOC content (g/L):

No information available

Viscosity:

No information available

SECTION X: Stability and Reactivity

Reactivity

Reactive with
strong oxidizing
agents
Reactive with
reducing
agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur



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Conditions to avoid: Incompatible materials.

Incompatible Materials: Strong oxidizing agents
Reducing agents

Hazardous decomposition products: No information available.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

SECTION XI: Toxicological Information

Information on likely routes of exposure

Principal Routes of Exposure: Ingestion. Eyes. Skin.

Acute Toxicity Component Information

Water

CAS-No. 7732-18-5

LD50/oral/rat = > 90 mL/kg Oral

LD50 Rat LD50/oral/mouse =

No information available

LD50/dermal/rabbit = No

information available

LD50/dermal/rat = No

information available

LC50/inhalation/rat = No

information available

LC50/inhalation/mouse = No

information available

Other LD50 or LC50 information = No information available

Cocamidopropyl Betaine

CAS-No. 61789-40-0

LD50/oral/rat = > 10000 mg/kg Oral LD50 Rat (LOLI);4900 mg/kg (European Chemicals Bureau IUCLID dataset) **LD50/oral/mouse** = No information available

LD50/dermal/rabbit = > 2000 mg/kg Dermal LD50

LD50/dermal/rat = No information available



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LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50information = No information available

Sodium Chloride

CAS	7647-
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LD50/oral/rat = 3 g/kg Oral LD50 Rat

LD50/oral/mouse = 4 g/kg

LD50/dermal/rabbit = > 10 g/kg Dermal LD50

LD50/dermal/rat = No information available

LC50/inhalation/rat = >42 g/m³

Inhalation LC50 Rat 1 h

LC50/inhalation/mouse = No
information available

Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No
information available

VALUE-Gas = No
information available

VALUE-Dust/Mist = No
information available

LC50/Inhalation/mouse



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VALUE-Vapor =

No information available

VALUE Gas =

No information available

VALUE - Dust/Mist =

No information available

Symptoms

Skin Contact: Causes skin irritation. Mildly to moderately irritating to the skin.

Eye Contact: Causes serious eye irritation. Moderately irritating to the eyes.

Inhalation May cause irritation of respiratory tract.

Ingestion Not expected to be a health hazard. Health injuries are not known or expected under normal use.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity No information available.

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogen s	NTP	OSHA HCS - Carcinogen	Australia - Notifiable Carcinogeni	Australia - Prohibite
Water	7732-18-5	Not	Not listed	Not	Not listed	Not listed	Not
Cocamidopropyl	61789-40-0	Not	Not listed	Not	Not listed	Not listed	Not
Sodium Chloride	7647-14-5	Not	Not listed	Not	Not listed	Not listed	Not

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)



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Reproductive toxicity	No data is available
Reproductive Effects:	No information available
Developmental Effects:	No information available
Teratogenic Effects:	No information available
Specific Target Organ Toxicity	
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organs:	No information available.

SECTION XII: Ecological Information

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Cocamidopropyl Betaine - 61789-40-0

Freshwater Algae Data: 1.0 - 10.0 mg/L EC50 *Desmodesmus subspicatus* 72 h 0.55 mg/L EC50
Desmodesmus subspicatus 96 h

Freshwater Fish Species Data: 1.0 - 10.0 mg/L LC50 *Brachydanio rerio* 96 h 1 2 mg/L LC50
Brachydanio rerio 96 h semi-static 1

Water Flea Data: 6.5 mg/L EC50 *Daphnia magna* 48 h

Sodium Chloride - 7647-14-5

Freshwater Fish Species Data: 5560 - 6080 mg/L LC50 *Lepomis macrochirus* 96 h flow-through
1 12946 mg/L LC50 *Lepomis macrochirus* 96 h static 1 6020 -
7070 mg/L LC50 *Pimephales promelas* 96 h static 1 7050 mg/L
LC50 *Pimephales promelas* 96 h semi-static 1 6420 - 6700
mg/L LC50 *Pimephales promelas* 96 h static 1 4747 - 7824
mg/L

LC50 *Oncorhynchus mykiss* 96 h flow-through 1

Water Flea Data: 1000 mg/L EC50 *Daphnia magna* 48 h 340.7 - 469.2 mg/L EC50 *Daphnia magna*
48 h

Persistence and degradability: No information available



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Bioaccumulative potential: No information available.

Mobility: No information available

SECTION XIII: Disposal Considerations

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Water	7732-18-5	Non	Non	Non	Non
Cocamidopropyl	61789-40-0	Non	Non	Non	Non
Sodium Chloride	7647-14-5	Non	Non	Non	Non

SECTION XIV: Transport Information

DOT

UN-No: Not Regulated

Proper Shipping Name: No information available

Hazard Class: No information available

Subsidiary Class No information available

Packing group: No information available

Emergency Response Guide No information available
Number

Marine Pollutant No data available

DOT RQ (lbs): No information available

Special Provisions No Information available

Symbol(s): No information available

Description: No information available

TDG (Canada)



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UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Marine Pollutant	No Information available
Description:	No information available

ADR

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Packing Group:	No information available
Subsidiary Risk:	No information available

IMO / IMDG

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Marine Pollutant	No information available

RID

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available

ICAO

UN-No:	Not Regulated
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Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

IATA

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
ERG Code: No information available
Special Provisions No information available

SECTION XV: Regulatory Information

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS- No.
Water	7732-18-5	Present(AC TI	Present KE-35400	Present	Not present	Present	Present	Present 231-791-2
Cocamidopr opyl	61789-40- 0	PresentAC TIV	Present KE-01243	Present	Not present	Present	Present	Present 263-058-8
Sodium Chloride	7647-14-5	PresentAC TIV	Present KE-31387	Present	Present (1)-236	Present	Present	Present 231-598-3

U.S. Regulations

Sodium Chloride

FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.70,21 CFR 182.90



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FDA - 21 CFR - Total Food Additives 100.155, 101.22, 101.61, 131.111, 131.112, 131.160, 131.162, 131.170, 133.106, 133.113,

133.121, 133.123, 133.124, 133.127, 133.129, 133.133, 133.136, 133.138, 133.141,

133.147, 133.150, 133.153, 133.155, 133.156, 133.162, 133.165, 133.169, 133.173,

133.179, 133.181, 133.182, 133.183, 133.184, 133.186, 133.187, 133.188, 133.189,

133.190, 133.195, 136.110, 137.180, 139.110, 139.150, 145.110, 145.130, 150.110,

155.120, 155.130, 155.190, 155.191, 155.194, 155.200, 155.201, 155.3, 156.145, 156.3,

158.170, 161.130, 161.145, 161.170, 161.173, 161.190, 163.111, 163.112, 163.113,

163.123, 163.130, 166.110, 168.130, 168.140, 168.160, 168.180, 169.115, 169.140,

169.150, 172.177, 172.430, 172.490, 172.840, 172.861, 182.1, 182.70, 182.90

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Water	7732-18-5	Not Listed	Not Listed	Not Listed	Not Listed
Cocamidopropyl Betaine	61789-40-0	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Chloride	7647-14-5	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis



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Water	7732-18-5	No ne	No ne	No ne	None	None
Cocamidopropyl Betaine	61789-40-0	No ne	No ne	No ne	None	None
Sodium Chloride	7647-14-5	No	No	No	None	None

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With	TSCA 8(d) -Health and Safety Reporting
Water	7732-18-5	Not Applicable	Not Applicable
Cocamidopropyl Betaine	61789-40-0	Not Applicable	Not Applicable
Sodium Chloride	7647-14-5	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

The WHMIS 2015 classification of this product has not been validated or reviewed yet.

Component WHMIS 2015 Hazard Classification

Water

7732-18-5 (60-65)

Sodium Chloride 7647-14-5 (4-6)

Not a dangerous product according to HPR classification criteria Not a dangerous product according to HPR classification criteria

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous

Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

D2B Toxic materials

Components WHMIS 1988

Water Uncontrolled product according to WHMIS classification criteria

Sodium Chloride Uncontrolled product according to WHMIS classification criteria

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory



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Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Water	7732-18-5	Present	Not Listed
Cocamidopropyl Betaine	61789-40-0	Present	Not Listed
Sodium Chloride	7647-14-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Water	7732-18-5	Not listed
Cocamidopropyl Betaine	61789-40-0	Not listed
Sodium Chloride	7647-14-5	Not listed

Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Water	7732-18-5	Not listed
Cocamidopropyl Betaine	61789-40-0	Not listed
Sodium Chloride	7647-14-5	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Water	7732-18-5	
Cocamidopropyl Betaine	61789-40-0	
Sodium Chloride	7647-14-5	

EU - CLP (1272/2008)

R-phrase(s)

R36 - Irritating to eyes.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Water	7732-18-5		No information	
Cocamidopropyl Betaine	61789-40-0		No information	
Sodium Chloride	7647-14-5		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.



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Xi



16. OTHER INFORMATION

Preparation Date: 4/28/2016
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Prepared by: Sonia Owen

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End of Safety Data Sheet



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