

**SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION**

**CAS Number:** 61789-40-0  
**Product Name:** CAPB 35  
**Revision Date:** Jul 31, 2020 **Date Printed:** Sep 22, 2021  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Manufacturer's Name:** Thames River Chemical Corp.  
**Address:** 5230 Harvester Road Burlington, ON, CA, L7L 4X4  
**Emergency Phone:** CHEMTREC (800) 424-9300  
**Information Phone Number:** 905-681-5353  
**Fax:** 905-681-5377  
**Product/Recommended Uses:** For laboratory or industrial use only.

**SECTION 2) HAZARDS IDENTIFICATION****Classification**

Acute toxicity Dermal - Category 4  
Acute toxicity Oral - Category 4  
Serious Eye Damage - Category 1

**Pictograms****Signal Word**

Danger

**Hazard Statements - Health**

H312 - Harmful in contact with skin  
H302 - Harmful if swallowed  
H318 - Causes serious eye damage

**Precautionary Statements - General**

P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.

**Precautionary Statements - Prevention**

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P264 - Wash/Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.

**Precautionary Statements - Response**

P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.  
P312 - Call a POISON CENTER or doctor, if you feel unwell.

P321 - Specific treatment (see first-aid on the SDS).

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor, if you feel unwell.

P330 - Rinse mouth.

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 or doctor.

## Precautionary Statements - Storage

No precautionary statement available.

## Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulation. Waste management should be in full compliance with national, regional and local laws.

## SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0061789-40-0	1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-COCOACYL DERIVS., INNER SALTS	28% - 42%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality or to reflect batch to batch variation.

## SECTION 4) FIRST-AID MEASURES

### Inhalation

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. Immediately call a POISON CENTER or doctor.

### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 30 minutes or until medical aid is available. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately call a POISON CENTER or doctor.

### Eye Contact

Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Remove contact lenses, if present and easy to do. Seek medical attention.

### Skin Contact

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower for a duration of 30 minutes or until medical aid is available. Immediately call a POISON CENTER or doctor.

### Skin Contact

In case of contact, immediately flush skin with plenty of water and soap. Remove contaminated clothing and shoes. Get medical aid if symptoms occur. Wash clothing and shoes before reuse. Wash contaminated clothing before re-use or discard. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts).

### Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. If vomiting occurs naturally, lie on your side, in the

recovery position.

### Ingestion

Do not give anything to an unconscious person. If conscious wash mouth out and then give 1 – 2 glasses of water to drink Get medical aid. Get medical attention. If vomiting occurs naturally, lie on your side, in the recovery position. Rinse mouth. Do NOT induce vomiting.

## SECTION 5) FIRE-FIGHTING MEASURES

### 5.2 Specific Hazards in Case of Fire

Containers may explode in fire.

#### Suitable Extinguishing Media

Large Fire: Water spray, fog or alcohol-resistant foam. Do NOT direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

Water spray or fog.

Foam.

Dry chemical powder.

BCF (where regulations permit). Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Large Fire : Water spray, fog or alcohol-resistant foam. Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam.

#### Unsuitable Extinguishing Media

Do not use water jet. Do not use straight stream of water.

### Specific Hazards in Case of Fire

Hazards arising from chemical: Oxides of carbon, oxides of nitrogen formed during combustion. Fire will produce irritating and corrosive gases.

#### Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

#### Special Protective Actions

Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

### 5.3 Advice for firefighters

Firefighters should wear NIOSH/MSHA approved self-contained, breathing apparatus and full protective clothing Product will burn under fire conditions. Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

Sweep up, place in a bag and hole for waste disposal, or take up and place in closed container. Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Ventilate closed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

#### Recommended Equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

#### Personal Precautions

Avoid breathing vapor or mist. DO NOT get on skin, eyes or clothing.

#### Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

#### Methods and Materials for Containment and Cleaning up

Sweep up or scoop up material carefully, and then place into a suitable disposal container for disposal according to local regulations.

Absorb Liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal. Ventilate area after clean-up is complete.

### 6.2 Environmental Precautions

### 6.3 Methods and Materials 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 washing for disposal

## SECTION 7) HANDLING AND STORAGE

### General

Store in original container protected from physical damage in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 100°F. Avoid breathing vapours, mist and gas. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Do not get in eyes, on skin or on clothing. Wash hands after use. Avoid breathing vapor or mist. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored All containers must be properly labelled. Wash hands after use. Do not get in eyes, on skin, or on clothing.

### Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Report ventilation failures immediately.

### Storage Room Requirements

Shelf life: Use within 24 months. Store in original containers. Keep containers securely sealed. Store in dry, cool areas, out of direct sunlight and away from other sources of heat. Store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Indoor storage should meet OSHA standards and appropriate fire codes. Empty containers retain residue and may be dangerous. Store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities.

### 7.1 Precautions for safe handling

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

SHIP AND STORE BETWEEN 10-50°C Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from incompatible materials( see Section 10. Stability and Reactivity)

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye 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. An emergency eye wash must be readily accessible to the work area. Wear indirect-vent, impact and splash resistant goggles when working with liquids Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids.

### Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated. Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves.

### Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment

suppliers. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air-purifying respirator. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

## Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

## 8.2 Exposure Controls

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.

None of the chemicals in Section 3 are regulated under "ACGIH\_carcinogen", "ACGIH\_Notations", "ACGIH\_TLV\_Basis", "ACGIHsmg", "ACGIHsppm", "ACGIHtmg", "ACGIHtppm", "CAN\_AL\_Carcinogen", "CAN\_AL\_Notation", "CAN\_ALsmg", "CAN\_ALsppm", "CAN\_ALtmg", "CAN\_ALtppm", "CAN\_ONsmg", "CAN\_ONsppm", "CAN\_ONtmg", "CAN\_ONtppm", "CAN\_QCVECDmg - CANADA\_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE\_mg", "CAN\_QCVECDppm - CANADA\_QUEBEC VALEUR D'EXPOSITION DE COURTE DURÉE\_ppm", "CAN\_QCVEMPmg - CANADA\_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE\_mg", "CAN\_QCVEMPppm - CANADA\_QUEBEC VALEUR D'EXPOSITION MOYENNE PONDÉRÉE\_ppm", "CANsmg", "CANsppm", "CANtmg", "CANtppm", "OSHA\_SkinDesignation", "OSHA\_Tables\_Z1\_Z2\_Z3", "OSHA\_Carcinogen - OSHA Carcinogen", "OSHAsmg", "OSHA\_sppm", "OSHAtmg", "OSHA\_tppm"

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

Density	1.00 lb/gal
Specific Gravity	0.12
Appearance	Colorless to light yellow liquid
Coefficient Water/Oil	N/A
Evaporation Rate	N/A
Flash Point	>93.9 °C
High Boiling Point	N/A
Low Boiling Point	100.00 °C
Lower Explosion Level	N/A
Melting/Freezing Point	N/A
Odor Description	Odorless
Odor Threshold	N/A
pH	5.0 - 7.0
Upper Explosion Level	N/A
Vapor Density	N/A
Vapor Pressure	N/A
Viscosity	N/A
Water Solubility	Soluble in water

## SECTION 10) STABILITY AND REACTIVITY

### Reactivity

Stable under normal storage and handling conditions.

### Stability

Stable under normal storage and handling conditions.

**Conditions to Avoid**

Avoid contact with strong acids, bases, and oxidizing agents. Avoid heat, sparks, flame and contact with incompatible materials

**10.2 Chemical Stability****Hazardous Reactions/Polymerization**

Hazardous polymerization will not occur.

**10.3 Possibility of Hazardous Reactions**

Minimal. Hazardous polymerization will not occur.

**Incompatible Materials**

Strong oxidizing agents Strong bases, acids, and oxidizing agents.

**10.4 Conditions To Avoid**

Avoid heat, sparks, flame, high temperature and contact with incompatible materials. Avoid contact with acids and oxidizing materials.

**Hazardous Decomposition Products**

No data available. Oxides of carbon.

**SECTION 11) TOXICOLOGICAL INFORMATION****Likely Route of Exposure**

Inhalation, ingestion, skin absorption

**Acute Toxicity**

Eye- eye irritation,, rabbit. Moderately irritating. Skin- skin irritation, rabbit. Slightly irritating. Oral LD50(rat)=>5000

Harmful in contact with skin

Harmful if swallowed

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is 5952.38 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is -1 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

**11.1 Information on toxicological effects**

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

Testing has shown this product to be non-mutagenic (Ames test)

**Aspiration Hazard**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Not listed as carcinogen.

Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity**

Based on available data, the classification criteria are not met.

**Reproductive Toxicity**

Based on available data, the classification criteria are not met.

**Respiratory/Skin Sensitization**

Based on available data, the classification criteria are not met.

**Serious Eye Damage/Irritation**

Causes serious eye damage

## Skin Corrosion/Irritation

Based on available data, the classification criteria are not met.

## Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

## Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

## Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

## SECTION 12) ECOLOGICAL INFORMATION

### Toxicity

Based on available data, the classification criteria are not met.

### Mobility in Soil

No data available.

### Persistence and degradability

This product is biodegradable

### Bioaccumulative Potential

93% (29d) Method: OECD 301D The product is readily biodegradable according to OECD criteria

### Bioaccumulative Potential

No data available.

### Persistence and Degradability

No data available.

### Other Adverse Effects

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Waste management should be in full compliance with federal, state and local laws.

### Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, provincial and local laws. It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

## SECTION 14) TRANSPORT INFORMATION

### Transport Canada Information

Packaging group: N/A

Hazard class: N/A

UN number: Not Regulated

Proper shipping name: N/A

## U.S. DOT Information

UN number: Not Regulated

Proper shipping name: N/A

Packaging group: N/A

Hazard class: N/A

## SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0061789-40-0	1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-, N-COCO ACYL DERIVS., INNER SALTS	28% - 42%	DSL,TSCA,EU_EC_Inventory - European_EC_Inventory

## SECTION 16) OTHER INFORMATION

### Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CANsmg or CANspmm - Canadian Short Term Exposure Level in mg/L or in ppm; CANtmg or CANtppm - Canadian Time Weighted Average in mg/L or in ppm; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL - Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

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