

**ANASPHERE CONCENTRATE****MATERIAL SAFETY DATA SHEET****Section 1: Chemical Product & Company Identification**

**Trade Name:** ANASPHERE CONCENTRATE  
**Manufacturer:** ANABEC Corp.  
9393 Main Street  
Clarence, N.Y. 14031  
**Telephone: 24 hr. Emergency Assistance** 1-800-434-9300 (Chemtrec)  
**Telephone: General Assistance** 1-716-759-1675 & (800-369-8463)  
**Product Class:** Quaternary Ammonium Salt Aqueous Mixture

**Section 2: Composition/Information on Ingredients**

	<b>CAS Number</b>	<b>Weight</b>	<b>TWA/TLV</b>
<b>Alkyl dimethyl benzyl ammonium chloride (C<sub>12-16</sub>)</b>	68424-85-1	4.0%	ND
<b>Octyldecyl dimethyl ammonium chloride</b>	32426-11-2	3.0%	ND
<b>Didecyl dimethyl ammonium chloride</b>	7173-51-5	1.5%	ND
<b>Diocetyl dimethyl ammonium chloride</b>	5538-94-3	1.5%	ND

**Section 3: Hazards Identification****Emergency Overview**

This product is a clear liquid, corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

**Health Effects: Eyes**

This product is corrosive to the eyes.

**Health Effects: Skin**

This product is corrosive to the skin. Prolonged or repeated contact with this product may dry and/or defat the skin.

**Health Effects: Inhalation**

This product may cause irritation to the respiratory system. High vapor concentrations may cause central nervous system effects. Effects may include headaches, dizziness, drowsiness, anesthetic effects, and may cause other central nervous system effects.

**Health Effects: Ingestion**

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Section 4: First Aid Measures****Eyes**

Immediately flush eyes with clean, cool, low pressure water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.

**Skin or Clothing**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If skin appears irritated, call a poison control center or doctor for treatment advice.

**Inhalation**

If breathing is difficult, remove victim from source of contamination or move victim to fresh air. If the affected person is not breathing, call 911 or an ambulance, then apply artificial respiration (CPR). If breathing is difficult, give oxygen. Call a poison control center or doctor for further treatment advice.

**Ingestion**

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if the person is able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Use gastric lavage only with appropriate precautions.

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#### **Section 5: Fire Fighting Measures**

<b>Flash point:</b>	93°C	200°F PMCC
<b>Extinguishing Media:</b>	Dry chemical, foam, carbon dioxide, water fog	
<b>Fire Fighting Equipment/Instructions</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with water fog / spray.	
<b>Hazardous Combustion Products</b>	Irritating and toxic gases or fumes may be released during a fire.	
<b>Unusual Fire Explosion Hazards</b>	Explosive mixtures may form with air. Combustion products are toxic. Vapors could travel to an ignition source and possibly flash back.	

#### **Section 6: Accidental Release Measures**

##### **Spill and Leak Procedures**

Emergency Action: Remove ignition sources. Wear respirator and appropriate PPE. Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing, water compatible foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Large Spills: Dike ahead of liquid spill for containment and later disposal. Water spray may reduce vapor but will increase foaming.

#### **Section 7: Handling & Storage**

##### **Handling Procedures**

Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash work exposed areas thoroughly, using soap and water.

##### **Storage Procedures**

Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing.

#### **Section 8: Exposure Controls/Personal Protection**

##### **Engineering Controls**

Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

##### **Personal Protective Equipment: Eyes/Face**

Wear chemical goggles; face shield (if splashing is possible)

##### **Personal Protective Equipment: Skin**

Use impervious gloves. Wear suitable protective clothing.

##### **Personal Protective Equipment: Respiratory**

If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

##### **Personal Protective Equipment: General**

Eye wash fountain and emergency showers are recommended to be immediately available.

#### **Section 9: Physical & Chemical Properties**

<b>Flash Point</b>	(93°C),	200°F PMCC
<b>Specific Gravity</b>	ND	8 lb/gal
<b>Percent Volatile</b>	90% (w/w)	
<b>Vapor Pressure</b>	ND	
<b>Vapor Density</b>	ND	
<b>Viscosity</b>	ND	
<b>Evaporation Rate</b>	ND	

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**PH Value** 6 – 9  
**Appearance and Odor** Colorless to light straw in color; Benzaldehyde Odor

**Section 10: Stability & Reactivity**

**Chemical Stability** This is a stable material.  
**Conditions to Avoid** Keep away from heat and incompatible materials.  
**Incompatibility** This product is incompatible with strong oxidizing agents and reducing agents.  
**Hazardous Decomposition** Carbon monoxide, carbon dioxide, and possible toxic hydrogen chloride fumes  
**Hazardous Polymerization** Will not occur

**Section 11: Toxicological Information**

**Carcinogenicity** No carcinogenicity data available for this product at this time.  
**Acute Oral LD<sub>50</sub>** ND  
**Acute Dermal** ND  
**Primary Skin** Corrosive, severe irritant  
**Primary Eye** Corrosive, severe ocular irritant

**Chemicals Listed as Human Carcinogen by:**

**OSHA** NO  
**I.A.R.C. Monographs** NO  
**National Toxicology Program** NO

**Section 12: Ecological Information**

**Ecotoxicity** No data available for this product

**Section 13: Disposal Consideration****Disposal Instructions**

This product, when discarded or disposed of, is potentially a characteristic hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. (The product is an EPA registered pesticide.) Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. It is the responsibility of the generator to properly characterize hazardous waste. The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

**Section 14: Transport Information**

**DOT Proper Shipping Name** Disinfectant Liquid Corrosive, N.O.S. (Quaternary Ammonium Compound), 8, UN1903, PG III

**Section 15: Regulatory Information**

<b><u>Ingredient Name</u></b>	<b><u>CAS Number</u></b>	<b><u>Weight Range</u></b>
<i>Alkyl dimethyl benzyl ammonium chloride (C<sub>12-16</sub>)</i>	68424-85-1	4.0%
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#### **Inventories**

All components of this product are listed on the following inventories; U.S.A. (TSCA), Canada (DSL), Europe (EINECS/ELINCS/Polymer/NLP), Australia (AICS), Korea (ECL).

There is no current reportable quantity (RQ) for this product.

#### **Section 16: State Right-To-Know Regulations/Notifications**

**California Proposition 65** – Components present in this material, which the State of California has found to cause cancer, birth defects or other reproductive harm are as follows:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
Benzyl chloride	100-44-7	10ppm

**Massachusetts Right-To-Know** – The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
Benzyl chloride	100-44-7	trace

**Michigan Critical Materials** – The following components of this material are included in the Michigan Critical Materials List:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
None known		

**New Jersey Right-To-Know** – The following components of this material are included in the New Jersey Hazardous Substance List and are present at or above reportable levels:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
Alkyl dimethyl benzyl ammonium chloride (C <sub>12-16</sub> )	68424-85-1	4.0%
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Didecyl dimethyl ammonium chloride	7173-51-5	1.5%
Diocetyl dimethyl ammonium chloride	5538-94-3	1.5%

**Pennsylvania Right-To-Know** – The following components of this material are included in the Pennsylvania Hazardous Substance List and are present at or above reportable levels:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
None known		

**CERCLA** - (Comprehensive Environmental Response, Compensation and Liability Act) of 1980 requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQ) listed in 40 CFR 302.4:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
None known		

**Sara Title III, Sections 302/304 (Superfund Amendments and Reauthorization Act of 1986)** – This act requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQ) and release Reportable Quantities (RQ) listed for the Components in 40 CFR 355:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
None known		

**Sara Title III, Sections 311/312** – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370:

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<u>Chemical Name</u>	<u>CAS No.</u>	<u>Hazard *) Categories</u>
Alkyl dimethyl benzyl ammonium chloride (C <sub>12-16</sub> )	68424-85-1	A
Octyl decyl dimethyl ammonium chloride	32426-11-2	A
Didecyl dimethyl ammonium chloride	7173-51-5	A
Diocetyl dimethyl ammonium chloride	5538-94-3	A

\*) The five hazard categories are as follows: F=Fire, S=Sudden Release of Pressure; R=Reactive; A=Immediate (Acute) Health Hazard; C=Delayed (Chronic) Health Hazard

**Sara Title 313** – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Typical Maximum Concentration</u>
None known		

#### **Section 18: Other Information**

##### **Disclaimer**

Disclaimer: Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. Information and conclusions given within this document may be from sources other than direct testing on the product itself. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information. Since the use of this product is within the exclusive control of the user, it is the user's responsibility to determine the conditions of proper handling and safe usage.

**Federal Level Regulations:** This is an EPA registered pesticide.

EPA Reg. No 10324-131-72786

EPA Est. No. 72786-NY-1

**Toxic Substances Control Act (TSCA Inventory) Status:** Found on U.S. EPA TSCA inventory.

<b>HAZARD RATINGS</b>	<b>HMIS</b>	<b>NFPA</b>
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE	X	

The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.