

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Rapid Biocontrol 260  
**Manufacturers Name:** Rapid Energy Services, LLC  
**Manufacturers Address:** 1424 S. Hugh Wallis Rd. Lafayette, La 70508  
**Emergency Telephone Number:** 1-800-255-3924 (ChemTel)

## 2. COMPOSITION/ INFORMATION ON INGREDIENTS

Components / CAS	Weight %	CAS #
Didecyl dimethyl ammonium chloride	50	7173-51-5
Ethanol	10	64-17-5
Water	40	7732-18-5

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater. Non-hazardous components may be listed at 3.0% or greater if not proprietary in nature. This is not intended to be complete compositional disclosure. Refer to Section 14 for applicable states right to know and other regulatory information.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

*Clear, colorless to straw colored liquid  
Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.*

**NFPA Ratings (Scale 0-4)** Health = 3, Fire = 2, Reactivity = 0.

**HMS Ratings (Scale 0-4)** Health = 3, Fire = 2, Reactivity = 0.

## 4. FIRST AID MEASURES

**Inhalation:** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, than artificial respiration, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Eye Contact:** Immediately flush eyes with water for 15 - 20 minutes, while holding eye open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advise

**Ingestion:** Call poison control center, or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the 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.

#### 5. FIRE-FIGHTING MEASURES

**Flash Point:** 130°F (39.4°C) - Pensky Martin Closed Cup

**Flammable Limits:** Not Determined

**Extinguishing Media:** Dry powder, Carbon Dioxide or water spray.

**Fire fighting procedure:** Cool containers with water spray. Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) in positive pressure mode

#### Unusual fire and explosion

**hazards:** Explosive mixture can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flash back.

#### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Action:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks or flames) in immediate area.

**Large Spills:** Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

**Methods for cleaning up:** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

#### 7. HANDLING AND STORAGE

**Handling:** Keep containers tightly closed. Avoid bodily contact.

**Storage:** Store in a dry, cool, well-ventilated and shaded area, away from heat sources away from incompatible materials (see "materials to avoid").

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation requirements:** Use local exhaust as necessary, especially under mist conditions.

#### Personal protective equipment:

- **Respiratory protection** Approved respirator
- **Hand protection** Rubber gloves
- **Eye protection** Chemical safety goggles or face shield with safety glasses.
- **Skin and body protection** Body covering clothes and boots

**Hygiene measures** Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Safety shower and eye bath should be provided.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.
<b>Specific Gravity:</b>	0.91-0.94 (7.75 lbs/gal)
<b>Percent Volatiles:</b>	50% (weight %)
<b>Vapor Pressure:</b>	Not Determined
<b>VOC Content:</b>	10%
<b>Vapor Density:</b>	Not Determined
<b>Viscosity:</b>	20 Cst cps @ 25°C
<b>Evaporation Rate:</b>	Butyl Acetate = 1, Not Determined
<b>Pour Point:</b>	Not Determined
<b>pH:</b>	6 - 9 for 10% Aqueous Solution

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions
<b>Materials to avoid:</b>	Oxidizing agents, reducing agents
<b>Conditions to avoid:</b>	Keep away from heat and strong oxidizing agents.

**Hazardous decomposition:** Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.

**Hazardous polymerization** Will not occur

**11. TOXICOLOGICAL INFORMATION**

<b>Carcinogenicity:</b>	No Carcinogenicity data available for this product.
<b>Acute Oral LD50:</b>	580 mg/kg for male and female rates combined.
<b>Acute Dermal:</b>	Greater than 2000 mg/kg.
<b>Primary Skin:</b>	Corrosive
<b>Primary Eye:</b>	Corrosive

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data available for this product

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal**            Observe all federal, state and local environmental regulations when disposing of this material.

## 14. TRANSPORT INFORMATION

**DOT Hazard Class**            8 Corrosive

**DOT Proper Shipping Name**    Disinfectants Liquid Corrosive (Quaternary Ammonium Compound), 8, UN1903, PG II

## 15. REGULATORY INFORMATION

**TSCA Status**

While all ingredients are listed on the TSCA Chemical inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

**Other Chemical Inventories**

All components of this product are listed on the following inventories: Australia (AICS), Canada (DSL), European Union (EINECS/ELINCS/Polymer/NLP), China (EICS), Japan (ENCS), Korea (ECL), and Philippines (PICCS).

**CERCL/SARA**

**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:

**Classification of this product:** Immediate, Fire

**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:

Chemical Name	CAS No.	Maximum Concentration	Comment
No ingredients listed in this section			

**Reportable Quantities/Threshold Planning Quantities:** CERCLA 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 (RQs) SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

Chemical Name	Reportable Quantity (RQ)	Threshold Planning Quantity (TPQ)
No Ingredients listed in this section		

## State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List
Benzyl Chloride (trace < 10 ppm)	AZ,CA,CAP65C,CT,FL,ID,MA,NJ,PA,RI
Ethanol	AZ,CA,CAP65R,CT,FL,ID,MA,NJ,PA,RI

AZ - Arizona Ambient Air Quality Guidelines

CT - Connecticut Hazardous Air Pollutants

CA - California Director's List of Hazardous Substances

CA65C - California Prop 65 Carcinogen

CA65R - California Prop 65 Reproductive Toxin

IL - Illinois Toxic Air Containment- Carcinogen

MA - Massachusetts Right to Know List

MN - Minnesota Hazardous Substances List

NJ - New Jersey Right to Know List

PA - Pennsylvania Right to know List

RI - Rhode Island Hazardous Substances List

### 16. OTHER INFORMATION

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>2</b>
<b>REACTIVITY</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>X</b>

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Signed: Safety Officer  
 Date: Jun 16, 2009  
 Revised: