

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rapid BioControl™ 236
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 %	ACGIH-TLV Data	OSHA (PEL) Data
Glutaraldehyde / 111-30-8	25.0	Not Determined	Not Determined
Methanol / 67-56-1	<0.3	Not Determined	Not Determined
Water / 7732-18-5	<75.0	Not Determined	Not Determined

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

EXPOSURE GUIDELINES:**GLUTARALDEHYDE**

OSHA Ceiling Limit: 0.2 ppm, 0.8 mg/m³

3. HAZARDS IDENTIFICATION

Corrosive liquid. May be absorbed through the skin. May cause severe skin irritation and burns. Causes irreversible eye damage. May cause severe eye, nose, throat, and lung irritation or burns. Harmful or fatal if swallowed. Contact may cause allergic reactions in some individuals.

EYE:

This product is considered to be a primary eye irritant. Causes severe irritation and burns. Danger of very serious irreversible effects.

SKIN:

Brief contact will cause itching with mild to moderate local redness and possibly swelling. Prolonged contact may result in pain, severe redness and swelling, with ulceration, tissue destruction, possibly bleeding into the inflamed area. Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material.

INHALATION:

Vapor is irritating to the respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation or burns of the mucous membranes. Heating the solution may result in more severe irritant effects.

INGESTION:

Moderately toxic. May cause moderate to marked irritation and possibly burns of the mouth, throat, esophagus and stomach. There will be discomfort or pain in the chest and abdomen, nausea, vomiting-diarrhea, dizziness, drowsiness, thirst, weakness, circulatory shock, collapse and coma.

SIGNS AND SYMPTOMS OF EXPOSURE:

Prolonged or repeated contact may irritate the skin and cause a skin rash (dermatitis). May cause sensitization by skin contact. May cause asthma, particularly in those with an increased tendency to develop-allergic reactions to common environmental allergens.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Skin contact may aggravate an existing dermatitis. Inhalation of material may aggravate asthma and inflammatory or fibrotic pulmonary disease.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT FIRST AID:

Remove contaminated clothing and shoes. Wash affected area immediately with large amounts of soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Get medical attention if cough or other symptoms develop.

INGESTION FIRST AID: If swallowed, do not induce vomiting. Obtain medical attention without delay.

NOTES TO PHYSICIAN: Corrosive liquid. The hazards of this material are due mainly to its severely irritant properties on skin and mucosal surfaces. Moderately toxic by absorption across the skin. Moderately toxic by swallowing. Any material aspirated during vomiting may cause lung injury. Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

PMCC Flash Point: None
Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Dike and collect water used to fight fire. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

COMBUSTION PRODUCTS: In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater.

INITIAL CONTAINMENT:

Contain spilled material. Absorb spills with inert material. Transfer to suitable containers for disposal.

LARGE SPILLS PROCEDURE:

Warning. Avoid runoff into storm sewers, municipal sewers, open bodies of water and ditches which lead to waterways. Contain spilled liquid with sand or earth. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Clean up area by absorbent material. Very low concentrations (5 ppm or less of glutaraldehyde) can be degraded in a biological wastewater treatment system.

MISCELLANEOUS:

Toxic to fish; avoid discharge to natural waters.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 0.0 C (32.0 F)

Maximum: 37.8 C (100.0 F)

HANDLING (PERSONNEL):

Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid contact with skin and eyes. Avoid breathing mists. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Corrosive liquid. Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required. This product in its undiluted form must not be used in a spray or aerosol application. If dilutions or mixtures of this product are used in a spray application, full personal protective equipment is recommended.

CAUTION! Plastic container, if present may cause static ignition hazard.

STORAGE PRECAUTIONS:

Take precautionary measures against static discharges. Keep container tightly closed. Avoid extreme temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles in conjunction with a face shield, are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Material is a potential skin sensitizer. Wear protective gloves (Nitrile, Butyl Rubber) to minimize skin contamination. Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation.

RESPIRATORY PROTECTION REQUIREMENTS:

If vapors are strong enough to be irritating to the nose (or eyes), the TLV is probably being exceeded and special ventilation and/or respiratory protection is required. When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Colorless
ODOR: Pungent
BOILING POINT: 213 F @ 760 mm Hg
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.06 @ 25 C (77 F) (Water = 1)
PH: 3.1 to 4.5 @ 100 wt/wt%
EVAPORATION RATE :0.9 (Butyl Acetate = 1)
DENSITY: 8.83 lbs/gal

10. STABILITY AND REACTIVITY**STABILITY:**

This compound is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents. Avoid contact with strong bases and acids.

DECOMPOSITION:

Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

CONDITIONS TO AVOID:

None known.

**11. TOXICOLOGICAL INFORMATION
CHEMICAL PROPERTIES****EYE EFFECTS:**

Eye Irritation - rabbit: Severe.

SKIN EFFECTS:

Skin Irritation - rabbit: Severe.

ACUTE ORAL EFFECTS:

Acute Oral LD50 (rat): 1.87 ml/kg. Peroral dosing.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Atomize into a very hot incinerator fire or mix with a suitable flammable solvent, and incinerate where permitted under appropriate Federal, State and local regulations.

EPA Hazardous Waste: NO.

CONTAINER DISPOSAL:

Uncleaned empty containers should be disposed of in the same manner as the contents

14. TRANSPORT INFORMATION

PRODUCT LABEL: Rapid Bio Control™ 236

D.O.T. SHIPPING NAME: Not Regulated

MISCELLANEOUS:

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

15. REGULATORY INFORMATION

SARA 311 Categories:

Immediate (Acute) Health Effects: Yes

Delayed (Chronic) Health Effects: Yes

Fire Hazard: No

Sudden Release Of Pressure Hazard: No

Reactivity Hazard: No

REGULATORY LISTS SEARCHED:

01 = SARA 313

03 = ACGIH TWA

05 = CANADIAN WHMIS

07 = CERCLA 302.4

09 = OSHA PEL

02 = SARA 302/304

04 = ACGIH Calc TLV

06 = CA Proposition 65

08 = ACGIH STEL

10 = OSHA Ceiling

EEC Symbols and Indications of Danger:

Not Determined

WHMIS Hazard Symbols:

Class D-2(B) - Materials Causing Other Toxic Effects, Class E - Corrosive Material

Canadian Disclosure List

GLUTARALDEHYDE (111-30-8)

CERCLA Hazardous Substances

METHANOL (67-56-1) -- RQ 5000 lb

MISCELLANEOUS INFORMATION:

This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FFRA) and is therefore exempt from U.S. Toxic Substance Control Act (TSCA) Inventory listing requirements.

This product is subject to regulation under the Canadian Pest Control Products Act (P.C.P. Act). Therefore, this product is excluded from the supplier labeling and material safety data sheet requirements as specified in Section 12 of the Hazardous Products Act.

16. OTHER INFORMATION

HMIS Rating:

Health - 3
Flammability - 1
Reactivity - 0

NFPA Rating:

Health - 3
Flammability - 1
Reactivity - 0

REVISION STATEMENT:

Revised information in section(s): 14.

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE
STEL - SHORT TERM EXPOSURE LIMIT
RQ - REPORTABLE QUANTITY
C - CEILING LIMIT
NDA - NO DATA AVAILABLE

MSDS PREPARATORY STATEMENT:

TWA - Time Weighted Average
TPQ - Threshold Planning Quantity
PEL - Permissible Exposure Level
CAS - Chemical Abstract Service Number
N/A - Not Applicable or Not Available

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS

Standard (Z400.1) by Rapid Energy Services,LLC.

MATERIAL SAFETY DATA SHEET

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

The information and recommendations contained herein are, to the best of RAPID ENERGY SERVICES, LLC's knowledge and belief, accurate and reliable as of the last revision date. This document is offered in good faith. The information relates to the specific material designated, and may not be valid for such material used in combination with any other materials, in any process, or if used in a matter other than for which it is intended.

RAPID ENERGY SERVICES, LLC does not warrant or guarantee accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.

Signed: Safety Officer
Date: Aug 4, 2009
Revised: