

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rapid Biocontrol 280
Manufacturers Name: Rapid Energy Services, LLC
Manufacturers Address: 1424 S. Hugh Wallis Rd. Lafayette, La 70508
Product Information: 337-291-2778
Emergency Telephone Number: 1-800-255-3924 (ChemTel)

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Components / CAS	Weight %	ACGIH-TLV Data	OSHA (PEL) Data
2,2-Dibromo-3-nitrilopropionamide 10222-01-2	20	Not Determined	Not Determined

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

Exposure Guidelines: No Information Available.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Causes severe irritation and burns. Risk of serious damage to eyes. Will cause server skin irritation. Prolonged or excessive inhalation may cause respiratory tract irritation or burns of the mucous membranes. Highly toxic to fish and/or other aquatic organisms. Avoid temperatures above 158F (70C).

Eye:

Can cause severe eye irritation or burns. Risk of serious damage to eyes, including permanent impairment of vision, even blindness. Discomfort and blurring of vision may occur.

Skin:

A single, prolonged exposure is not likely to result in the material begin absorbed thought skin in harmful amounts. Causes irritation, possible burns on prolongs contact.

Inhalation:

Avoid breathing vapors or mists. Irritating to respiratory system. Prolonged or excessive inhalation may cause respiratory tract irritation or burns of the mucous membranes.

Ingestion:

Moderately toxic. Harmful if swallowed.

Chronic Effects:

Excessive exposure may increase the blood and tissue levels of bromine. Observations in animals include kidney effects following repeated ingestion of active ingredient, but no evidence of systemic toxicity following repeated dermal exposure at maximum attainable doses.

Carcinogenicity Information:

No known cancer hazards.

4. FIRST AID MEASURES

Inhalation: Although this product is 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 irritation develops or persists.

Eye Contact: In case of contact, immediately flush with plenty of water for at least 30 minutes. Get medical attention if irritation develops or persists.

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

Ingestion: Ingestion is not considered a potential route of exposure. If swallowed, immediately give 2 glasses of water. Induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Note to physician: All treatments should be based on observed signs and symptoms of distress in the patient. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties:

PMCC Flash Point: >93.9 C (>201.0 F)

Autoignition Temperature: N/A

Flammable Limits in Air

LEL: N/A

UEL: N/A

Flammable Properties:

When water has evaporated, the residue will burn.

Extinguishing Media:

Water, carbon dioxide, foam or dry powder.

Fire & Explosion Hazards:

Combustible solvents may be released above 221F. Above 320F bromide and hydrogen bromide fumes may be released.

Fire Fighting Instruction:

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. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. 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.

Large Spills Procedure:

Warning. Avoid runoff into storm sewers and ditches which lead to waterways. This product is toxic to fish. Contain spilled liquid with sand or earth.

Small Spills Procedure:

Clean up area by absorbent material.

7. HANDLING AND STORAGE

Recommended Storage Temperature

Minimum: 1.7 C (35.1 F)

Maximum: 35.0 C (95.0 F)

Handling (Personnel):

Avoid contact with vapors from head space of containers. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged contact with skin or eyes. Avoid breathing mists. Wash hands thoroughly after handling.

Handling (Physical Aspects):

Store in a secure area. Provide appropriate ventilation.

Storage:

Keep container tightly closed. Do not store near combustible materials. 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 are recommended to avoid contact with eyes.

Skin Protection Requirements:

Wear protective gloves to minimize skin contamination. Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation.

Respiratory Protection Requirements:

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:	Pale Yellow
Odor:	Disinfectant
Boiling point/range:	>158 F @ 760m Hg
Vapour pressure:	< 0.1 mm Hg @ 68 F
Solubility In Water:	Miscible
Specific Gravity:	1.25 @ 25 C (77 F) (Water = 1)
PH:	1.5 - 5.0
Evaporation Rate:	< 1 (Butyl Acetate = 1)
Density	10.41 lbs/gal

10. STABILITY AND REACTIVITY**Stability:**

This compound is stable at ambient conditions.

Polymerization:

Hazardous polymerization will not occur

Incompatibility With Other Materials:

Incompatible or can react with bases and oxidizers.

Decomposition:

Decomposition may produce bromine (Br₂), cyanogen bromide, dibromoacetonitrile as well as oxides of carbon and hydrocarbons.

Conditions to Avoid:

Avoid extreme temperatures.

11. TOXICOLOGICAL INFORMATION**Eye Effects:**

Eye irritation - rabbit: Severely irritating.

Skin Effects:

Skin irritation - rabbit: Severely irritating.

Acute Oral Effects:

Oral LD₅₀ (RAT): 510 mg/kg.

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.

Highly toxic to fish and/or other aquatic organisms.

EPA Hazardous Waste: D002 - Corrosive

Container Disposal:

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

14. TRANSPORT INFORMATION

Product Label: Rapid BioContol 280
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	02 = SARA 302/304
03 = ACGIH TWA	04 = ACGIH Calc TLV
05 = CANADIAN WHMIS	06 = CA Proposition 65
07 = CERCLA 302.4	08 = ACGIH STEL
09 = OSHA PEL	10 = OSHA Ceiling

WHMIS Hazard Symbols:

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

SARA Title III - Section 313

2,2-DIBROMO-3-NITRILOPIONAMIDE (102222-01-2)

Miscellaneous Information:

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

This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from U.S. Toxic Substance Control Act (TSCA) Inventory listing requirements as specified in Section 12 of the Hazardous Products Act.

16. OTHER INFORMATION

REASON FOR ISSUE: REVISED
PREPARED BY: HS&E GROUP
APPROVAL DATE: June 9,2008
SUPERSEDES DATE: January 8,2008

HMIS Rating:

Health - 3
 Flammability - 1
 Reactivity - 0

NFPA Rating:

Health -3
 Flammability - 1
 Reactivity - 0

REVISION STATEMENT:

Revised information in section(s): 7.

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
RQ - REPORTABLE QUANTITY	PEL - Permissible Exposure Level
C - CEILING LIMIT	CAS - Chemical Abstract Service Number
NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

MSDS PREPARATORY STATEMENT:

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1 by Rapid Energy Services.

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

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Signed: Safety Officer
 Date: Mar 23, 2009
 Revised: