

TREXCIDE 435

MSDS ID: 00244

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TREXCIDE 435

Product Descriptor: WATER TREATMENT MICROBIOCID

MANUFACTURER: DUBOIS CHEMICALS, INC. EMERGENCY PHONE NUMBER: (866) 923-4919
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

| Component Name | CAS Number | % | Exposure Limits | Units |
|-------------------|------------|------|-----------------|-------|
| HYDROGEN PEROXIDE | 7722-84-1 | >30% | TWA 1.4 | MG/M3 |

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Oxidizer - Contact with combustibles may cause fire. Decomposes yielding oxygen that supports combustion of organic matters and can cause over-pressure if confined.

POSSIBLE ROUTES OF ENTRY: Ingestion; Skin contact/absorption; Inhalation

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: Severe burns, tissue damage, or irritation with pain, swelling, blurred or impaired vision, blindness. SKIN: May cause skin irritation. INGESTION: Burns or irritation to mouth, throat with pain, nausea and vomiting. INHALATION: Spray or mists cause burns or severe irritation to nose, throat and respiratory tract with pain, choking, and experience difficulty in breathing.

CHRONIC: Prolonged and repeated exposure may cause irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

IV. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart to completely flush all chemicals from entire eye surface. Get immediate medical attention.

SKIN: Flush skin with plenty of water and wash with mild soap. If irritation develops, get medical attention.

INGESTION: If swallowed, rinse mouth with water. Dilute by drinking several glasses of water. DO NOT induce vomiting. If patient vomits, rerinse mouth. Get immediate medical attention. NOTE: Never give fluids by mouth to an unconscious person.

INHALATION: If inhaled, move to fresh air. If patient is not breathing, give artificial respiration. If breathing is difficult, give oxygen under the direction of trained personnel or a physician. Get immediate medical attention.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): None FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: NA UEL: ND
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Oxidizing product may cause fire or spontaneous combustion if contaminated with oil, paper, wood or other combustibles.
EXTINGUISHING MEDIA: Flood with water.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: None required.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Contain spill. Wear protective clothing. Soak up or absorb liquid on suitable absorbent material. Collect and place in chemical waste container. Dispose of in accordance with local, State and Federal regulations. Flush spill area with water. Avoid contact with organic materials. Oxidizing material, do not allow to dry on material which may burn.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store drums in cool areas out of direct sunlight and away from combustibles.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Chemical goggles if contact or splash hazard exists.
PROTECTIVE GLOVES: Liquid proof rubber or neoprene gloves. Avoid cotton, wool and leather.
RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator where TLV/PEL may be exceeded.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Rubber boots and chemical resistant apron if contact or splash hazard exists.
ENGINEERING CONTROLS:
VENTILATION: Local exhaust ventilation may be necessary to control any air contaminants to within their TLV's during the use of this product.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid; no odor.

BOILING POINT (DEG F): 226 FREEZING POINT: -27F
SPECIFIC GRAVITY/BULK DENSITY: 1.13 pH 1% SOLUTION: 5-6
pH: 2-3.5
VOLATILE BY VOLUME: 100
SOLUBILITY IN WATER: Soluble
VAPOR PRESSURE (mmHg): 23mmHg at 30 C VAPOR DENSITY: NA

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Reducing agents; Organic materials;
Alkalis; Flammable liquids; Oils and greasesHAZARDOUS DECOMPOSITION PRODUCTS: If strongly overheated, may release; oxides
of oxygen

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: No data available.

TOXICITY TEST DATA:

No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: RCRA Hazardous Waste: D001 - Ignitability Characteristic
and D002 - Corrosivity characteristic.PESTICIDE WASTES ARE TOXIC. Improper disposal of excess pesticide or rinsate
is a violation of Federal Law. If these wastes cannot be disposed of by use
according to label instructions, contact your State Pesticide or Environmental
Control Agency or the Hazardous Waste Representative at the nearest EPA
Regional Office for Guidance. DO NOT contaminate water, food or feed by
storage or disposal or cleaning of equipment. Dispose of unused,
uncontaminated product in compliance with local, state and federal
regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping
information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: Contains no hazardous air pollutants.

VOC CONTENT (EPA Method 24A): % VOC: ND Lb/Gal VOC: ND

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

None

SARA Section 311/312:

ACUTE: YES CHRONIC: NO FIRE: YES REACTIVITY: NO

SUDDEN RELEASE OF PRESSURE: NO

LISTED CARCINOGEN: None

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XV. REGULATORY INFORMATION (Cont.)

NTP: No IARC: No OSHA: No
HMIS RATINGS: HEALTH: 2 FIRE: 0 REACTIVITY: 1
PERSONAL PROTECTIVE EQUIPMENT: H
NFPA RATING: HEALTH: 2 FIRE: 0 REACTIVITY:1 SPECIAL:OXIDIZER
STATE RIGHT-TO-KNOW INFORMATION:
WATER - CAS #7732-18-5
HYDROGEN PEROXIDE - CAS #7722-84-1
CALIFORNIA PROPOSITION 65:
None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

Disclaimer: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.

Ecotoxicity

TREXCIDE 435



Product name : TREXCIDE 435
Supplier/Manufacturer : DuBois Chemicals, Inc.
3630 E. Kemper Rd.
Cincinnati, OH 45241
Phone: 1-800-438-2647

DuBois Chemicals Canada, Inc.
3450 Ridgeway Drive, Unit 2
Mississauga, Ontario, L5L 0A2
Phone: 1-866-861-3603
Recommended use : Industrial applications: Biocide This product is intended to be diluted prior to use
Product code : 00244100
Validation date : 4/23/2010.
Version : 1

Composition/information on ingredients

| Name | CAS number | % |
|-------------------|------------|---------|
| water | 7732-18-5 | 60 - 70 |
| hydrogen peroxide | 7722-84-1 | 30 - 40 |

Ecological information

| | | | |
|-------------------|----------------------------------|--|----------|
| Hydrogen peroxide | Acute EC50 2320 ug/l Fresh water | Daphnia - Daphnia magna - Neonate - <24 hours | 48 hours |
| | Acute LC50 22 ppm Fresh water | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |

to the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.