



Weatherford

Material Safety Data Sheet

BIOCLEAR® 5000

| | |
|----------------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |
| ENVIRONMENTAL HAZARD | |

1. Product and Company Identification

Material name **BIOCLEAR® 5000**
Version # 07
Issue date February-24-2014
Revision date May-22-2014
Supersedes date April-30-2014
CAS # Mixture
Product use Biocide
Manufacturer information Weatherford®
 2000 St. James Place
 Houston, TX 77056
 United States
 Email: productsafety.compliance@weatherford.com
 Weatherford Information Line: 713-836-4000
 Chemtrec 800-424-9300

Supplier information Weatherford®
 2000 St. James Place
 Houston, TX 77056 US
Supplier emergency telephone number(s) CHEMTREC INT'L +1 703-527-3887

2. Hazards Identification

Emergency overview DANGER CORROSIVE.

Causes severe skin burns and eye damage. Avoid contact with skin, eyes and clothing. Harmful if swallowed, inhaled or absorbed through skin. May cause sensitization by skin contact. Prolonged exposure may cause chronic effects. Highly toxic to fish and/or other aquatic organisms. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure

Eye contact. Skin contact. Inhalation. Ingestion.

Eyes

Corrosive to the eyes and may cause severe damage including blindness. Do not get this material in contact with eyes.

Skin

Causes skin burns. May cause sensitization of susceptible persons. Do not get this material in contact with skin.

Inhalation

Harmful by inhalation. Do not breathe dust/fume/gas/mist/vapors/spray.

Ingestion

Harmful if swallowed. Do not ingest.



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Potential environmental effects May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

| Components | CAS # | Percent |
|------------------------------------|------------|---------|
| 2, 2-Dibromo-3-Nitrilopropionamide | 10222-01-2 | 5 |

4. First Aid Measures

First aid procedures

Eye contact

Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.

Skin contact

Immediately take off all contaminated clothing. Wash skin with soap and plenty of water for 15-20 minutes. Call a physician or Poison Control Center immediately. Wash clothing separately before reuse.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Call a physician or Poison Control Center immediately.

Ingestion

If material is ingested, immediately contact a physician or poison control center. If conscious, give the victim plenty of water to drink. Do not induce vomiting without advice from poison control center. Never give anything by mouth to an unconscious person.

Notes to physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire Fighting Measures

Flammable properties

The product is not flammable.

Extinguishing media

Suitable extinguishing media

Water fog. Carbon dioxide (CO2). Alcohol resistant foam. Dry chemical powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Specific hazards arising from the chemical

No unusual fire or explosion hazards noted.

Protective equipment and precautions for firefighters

Firefighters should wear full protective gear. Evacuate area and fight fire from a safe distance.

Fire fighting equipment/instructions

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. In the event of fire and/or explosion do not breathe fumes. Cool containers with flooding quantities of water until well after fire is out. ALWAYS stay away from tanks engulfed in flame. Move containers from fire area if you can do so without risk.

Hazardous combustion products

May include oxides of carbon. May include oxides of nitrogen.



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General fire hazards The product is not flammable.

6. Accidental Release Measures

Personal precautions Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas. Ensure adequate ventilation. Ventilate closed spaces before entering them.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewer, basements or confined areas. Should not be released into the environment.

Methods for cleaning up Extinguish all flames in the vicinity.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated surface thoroughly.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

When handling or dealing with spills, wear protective clothing as indicated in the Personal Protective Equipment section. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area. Flood with 10% sodium bicarbonate solution and large volume of water, if necessary.

Other information Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling Avoid heat, sparks, open flames and other ignition sources. When using, do not eat, drink or smoke. Do not use in areas without adequate ventilation. Wash thoroughly after handling. Wear personal protective equipment. Avoid release to the environment. Do not empty into drains. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not taste or swallow. Do not get on skin and clothing.

Storage Keep at temperatures below 60°C. Keep away from heat and sources of ignition. Store in a closed container away from incompatible materials. Keep away from food and drink. Store in a well-ventilated place. Keep container tightly closed. Store in accordance with local/regional/national/international regulation.

8. Exposure Controls / Personal Protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Engineering controls Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection Do not get this material in contact with eyes. Wear safety glasses with side shields (or goggles) and a face shield.



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Skin protection

Do not get this material in contact with skin. Wear appropriate chemical resistant clothing. Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Gloves must be inspected prior to use. Use of protective coveralls and long sleeves is recommended. Closed-toe shoes recommended.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

General hygiene considerations

Do not get this material in your eyes, on your skin, or on your clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke.

9. Physical & Chemical Properties

| | |
|---|-------------------------------|
| Appearance | Clear. |
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Colorless to light yellow. |
| Odor | Odorless. |
| Odor threshold | Not available. |
| pH | 3 - 6 |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Boiling point | > 158 °F (> 70 °C) |
| Melting point/Freezing point | Not available. |
| Solubility (water) | Miscible. |
| Specific gravity | 1.10 - 1.12 |
| Relative density | Not available. |
| Flash point | 390.2 °F (199.0 °C) estimated |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not available. |
| Auto-ignition temperature | Not available. |
| Other data | |
| Density | 9.16 - 9.34 lb/gal |

10. Chemical Stability & Reactivity Information

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|---|--|
| Chemical stability | Material is stable under normal conditions. |
| Conditions to avoid | Heat, flames and sparks. Avoid high temperatures. |
| Incompatible materials | Strong oxidizing agents. Strong bases, potassium permanganate and powdered iron. |
| Hazardous decomposition products | Carbon monoxide, carbon dioxide, oxides of nitrogen. Ammonia. Hydrogen bromide. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |



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11. Toxicological Information

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| Sensitization | Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. |
| Local effects | Harmful if swallowed, inhaled or absorbed through skin. |
| 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 | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | |
| Not listed. | |
| Skin corrosion/irritation | Causes severe skin burns and eye damage. |
| Mutagenicity | Not expected to be hazardous by OSHA criteria. |
| Neurological effects | Not expected to be hazardous by OSHA criteria. |
| Reproductive effects | Not expected to be hazardous by OSHA criteria. |
| Teratogenicity | Not expected to be hazardous by OSHA criteria. |

12. Ecological Information

| | |
|--------------------------------------|--|
| Ecotoxicity | Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the environment. |
| Environmental effects | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |
| Aquatic toxicity | Not available. |
| Persistence and degradability | Not available. |

13. Disposal Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations. It is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets the criteria for hazardous waste.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinse 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.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging Triple rinse containers. Empty containers should be sent to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

| | |
|-----------------------------------|---|
| UN number | UN3265 |
| UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (2,2-dibromo-3-nitrilopropionamide) |
| Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| Packing group | III |



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| Special provisions | IB3, T7, TP1, TP28 |
| Packaging exceptions | 154 |
| Packaging non bulk | 203 |
| Packaging bulk | 241 |

IATA

| | |
|-------------------------------------|---|
| UN number | UN3265 |
| UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (2,2-dibromo-3-nitrilopropionamide) |
| Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | No. |
| ERG Code | 8L |
| Other information | |
| Passenger and cargo aircraft | Allowed. |
| Cargo aircraft only | Allowed. |

TDG

| | |
|-----------------------------------|---|
| UN number | UN3265 |
| UN proper shipping name | Corrosive liquid, acidic, organic, n.o.s. (2,2-dibromo-3-nitrilopropionamide) |
| Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| Packing group | III |
| Special provisions | IB3, T7, TP1, TP28 |

IMDG

| | |
|-----------------------------------|---|
| UN number | UN3265 |
| UN proper shipping name | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,2-dibromo-3-nitrilopropionamide) |
| Transport hazard class(es) | |
| Class | 8 |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | |
| Marine pollutant | No. |
| EmS | F-A, S-B |

DOT



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IATA; IMDG; TDG



15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product is exempt from the TSCA requirements when used as a pesticide under FIFRA. EPA Registration No.: 59106-7

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated.

DEA Essential Chemical Code Number

Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity, lbs

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance

Not listed.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |



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| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|---|------------------------|
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

US state regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

2, 2-Dibromo-3-Nitrilopropionamide (CAS 10222-01-2)

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

2, 2-Dibromo-3-Nitrilopropionamide (CAS 10222-01-2)

16. Other Information

HMIS® ratings Health: 3
 Flammability: 1
 Physical hazard: 0

NFPA ratings Health: 3
 Flammability: 1
 Instability: 0

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This data sheet contains changes from the previous version in section(s): Product and Company Identification: Product and Company Identification



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