**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**METHOD OF APPLICATION** ADOX™ BCD-31 is a presursor for the generation of chlorine dioxide. DO NOT ADOX™ BCD-31 directly to the system being treated. Chlorine dioxide can be generated from ADOX™ BCD-31 in several common methods including:

1. The chlorine method which utilizes a ADOX™ BCD-31 and chlorine gas,

2. The hypochlorite method which utilizes a ADOX™ BCD-31 and sodium hypochlorite

**ADOX™ BCD-31** can also be used to form acidified sodium chlorite solutions by mixing the product with Generally Recognized As Safe (GRAS) acids such as citric, phosphoric or acetic acid. Add the generated chlorite solution to a point in the system which ensures uniform mixing.

**Applications**

**POTABLE WATER AND WASTEWATER DISINFECTION:** For most municipal and other potable water systems, a chlorine dioxide requirement of 0.2 to 0.7 is typical. The target residual chlorine dioxide concentration range from 0.2 to 0.7 ppm. Monitor the distribution system to ensure that the chlorine dioxide concentration does not exceed its maximum contaminant level (MCL) of 0.1 ppm. In other potable water systems, a chlorine dioxide requirement of 0.5 to 2.0 ppm is typical. If the concentration of chlorine dioxide generated from ADOX™ BCD-31 exceeds the MCL of 0.1 ppm, or the MCL of 1.0 mg/L for chlorine dioxide.

**DANGER:** Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. This product is toxic to fish and other aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

**HAZARDS TO HUMAN AND DOMESTIC ANIMALS** 

**PRECAUTIONARY STATEMENTS**

**FIRST-aid**

1. **If Inhaled:** Hold open eye and rinse eye with gently flowing water for 15 minutes. Remove contact lenses, if present, and continue rinsing. Seek medical attention immediately.

2. **If Swallowed:** Rinse mouth and drink plenty of water. Seek medical attention immediately.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** Rinse eyes with water for 15 minutes. If irritation or pain persists, seek medical attention immediately.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

For Transport & Medical Emergencies: CHEMTREC: (800) 424-9300 (outside the U.S. (703) 527-3887).

For Product Information: (800) 477-6071 (outside the U.S. (401) 295-8800).

**NOTE**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR TRANSPORT & MEDICAL EMERGENCIES**: CHEMTREC: (800) 424-9300 (outside the U.S. (703) 527-3887).

**FOR PRODUCT INFORMATION**: (800) 477-6071 (outside the U.S. (401) 295-8800).

**SLUG DOSE:** Add 42 to 210 pounds of chlorine dioxide per million gallons of water (5 to 25 ppm).

**CONTINUOUS DOSE:** Add 42 to 210 pounds of chlorine dioxide per million gallons of water (5 to 25 ppm).

**GENERAL INDUSTRIAL PROCESS WATER TREATMENT** (OILFIELD INJECTION WATER, WHITE WATER PAPER MILL SYSTEMS, and IRRIGATION AND IRRIGATION WATER SYSTEMS)

**APPLICATIONS**

ADOX™ BCD-31 can be used to prepare acidified sodium chlorite solutions under US Food and Drug Administration (FDA) regulations. ADOX™ BCD-31 is an approved for the generation of chlorine dioxide in water systems that will be used for human consumption.

**For use as a terminal food contact surface sanitizing rinse conforming to 40 CFR 180.940 paragraph (b) and (c) not requiring a potable water rinse. This solution may be used on hard surfaces such as dairy processing equipment, food processing equipment, food preparation areas, and dairy processing equipment.**

**WARRANTY:** Solar expresses no warranty that the product conforms to its chemical description. There are no warranties associated with the sale of the product either expressed or implied, including, but not limited to, the warranties of fitness for a particular purpose or merchantability.

**STORAGE AND DISPOSAL**

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.**

**CONTAINER DISPOSAL:** Store upright in cool, dry and well-ventilated place. Avoid excessive heat or freezing. Protect from contact with other chemicals; avoid storage with organic chemicals, acids, reducers and combustible material.

Keep container tightly closed when not in use. In case of spills, flush and drain promptly to wastewater or other water systems in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

Do not discharge containing this product to wastewater systems without previously notifying the appropriate waste treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**PHYSICAL OR CHEMICAL HAZARDS**

**DANGERS:** This product contains a fire and explosive hazard if allowed to dry. Strong oxidizing agent. Mix or dilute into water only. Mixing with acids, or alcohol, or other chemicals may cause evolution of chlorine and chlorine dioxide gas which is toxic and may be explosive. Combustible materials contaminated with ADOX™ BCD-31 may burn rapidly.

**HAZARDS:** Use in a well ventilated area with adequate handling areas and equipment clean and well drained areas, and dust. Do not contaminate this product with garbage, dirt, organic matter, paint products, solvents, acid, vinegar, beverages, oils, pine oil, dirty rags, or other foreign matter. Do not expose to hot surfaces, sparks or open flame.

**ACTIVE INGREDIENTS**

Sodium Chlorite……………………31% OCl₂

**CERTIFIED TO:** GMP 2012

**ORIGIN:** North Kingstown, RI 02852

**MANUFACTURED FOR:** International Dioxide, Inc.

**OUTLOOK: 99.7%**

**NET CONTENTS:** ______ GAL.

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