



## Dry Chlorine Bleach

HMIS		NFPA	Personal protective equipment
Health	3	3	
Fire Hazard	0	0	
Reactivity	1	1	

Version Number: 4

Preparation date: 2011-07-20

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Dry Chlorine Bleach

**MSDS #:** MS0500041

**Product Code:** 2979646

**Recommended use:** Laundry care. This product is intended to be diluted prior to use.

**Manufacturer, importer, supplier:**  
 US Headquarters  
 Diversey, Inc.  
 8310 16th St.  
 Sturtevant, Wisconsin 53177-1964  
 Phone: 1-888-352-2249  
 MSDS Internet Address: www.diversey.com

**Emergency telephone number:** 1-800-851-7145 (U.S.); 1-651-917-6133 (Int'l)

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

DANGER. CORROSIVE TO EYES. CAUSES EYE BURNS. CAUSES SKIN IRRITATION. HARMFUL OR FATAL IF SWALLOWED. NEVER USE OR MIX WITH ACIDS, AMMONIA OR ANY OTHER CHEMICAL. Do not get water inside container.

**Principal routes of exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Eye contact:** Corrosive. Causes permanent eye damage, including blindness.

**Skin contact:** Severe skin irritation.

**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.

**Ingestion:** Corrosive. Causes burns to mouth, throat and stomach.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Sodium carbonate	497-19-8	1 - 5%	4090	Not available	Not available
Sodium dichloroisocyanurate dihydrate	51580-86-0	20 - 30%	1823	>2000 mg/kg	Not available
Sodium chloride	7647-14-5	70 - 80%	3000	>10 g/kg	>42 g/m <sup>3</sup> (1 h)

### 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.

**Skin contact:** Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately.

**Ingestion:** If swallowed, rinse mouth. Give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Aggravated Medical Conditions:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Flood with water. Do not use dry chemical extinguishing agents. Violent reaction may result.
<b>Specific hazards:</b>	Elevated temperatures (in excess of 200 F) (93 C) may undergo thermal decomposition with the evolution of heat and dense noxious gases.
<b>Unusual hazards:</b>	Wet material may react to form noxious gases including nitrogen trichloride (NCl <sub>3</sub> ), an explosion hazard. Corrosive material (See sections 8 and 10).
<b>Specific methods:</b>	Avoid inhalation of material or combustion by-products. Containers which appear undamaged except for being damp on the outside should be thoroughly dried before opening and then opened and inspected immediately. DO NOT attempt to reseal contaminated containers.

**Special protective equipment for firefighters:** As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**Extinguishing media which must not be used for safety reasons:** Do not use dry chemical extinguishing agents. Violent reaction may result.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Put on appropriate personal protective equipment (see Section 8.).
<b>Environmental precautions and clean-up methods:</b>	Do not attempt to clean up with water. Sweep up and shovel into suitable containers for disposal. Do not re-seal contaminated containers. DO NOT transport wet or damp material. Damp material should be neutralized prior to proper disposal. Prevent product from entering drains. Keep out of water supplies and sewers.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing dust. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Mix only with water. Do not mix with any other product or chemical. May react to release hazardous gases. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
<b>Storage:</b>	Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**  
Good general ventilation should be sufficient to control airborne levels Respiratory protection is not required if good ventilation is maintained.

### Personal Protective Equipment

<b>Eye protection:</b>	Chemical-splash goggles.
<b>Hand protection:</b>	Chemical-resistant gloves
<b>Skin and body protection:</b>	If major exposure is possible, wear suitable protective clothing and footwear.
<b>Respiratory protection:</b>	If aerosols, mists, vapors, or dust are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
<b>Hygiene measures:</b>	Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Powder	<b>Bulk density:</b> No information available
<b>Appearance:</b> Powder	<b>Evaporation Rate:</b> No information available
<b>Specific gravity:</b> 1.157	<b>Color:</b> White
<b>Vapor density:</b> No information available	<b>Odor:</b> Chlorine
<b>Boiling point/range:</b> Not determined	<b>Melting point/range:</b> Not determined
<b>Decomposition temperature:</b> Not determined	<b>Autoignition temperature:</b> No information available
<b>Solubility:</b> Dispersible	<b>Density:</b> 9.66 lbs/gal 1.16 Kg/L
<b>Solubility in other solvents:</b> No information available	<b>Flash point:</b> > 200 °F > 93.4 °C
<b>Partition coefficient (n-octanol/water):</b> No information available	<b>Viscosity:</b> No information available
<b>Elemental Phosphorus:</b> 0 % by wt.	<b>VOC:</b> 0 % *
<b>pH:</b> No information available	<b>Dilution pH:</b> 9.1 @ 1%
<b>Explosion limits:</b> - upper: Not determined - lower: Not determined	

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions Unstable at elevated temperatures and pressures  
**Polymerization:** Hazardous polymerization does not occur.  
**Hazardous decomposition products:** Chlorine. Nitrogen. Nitrogen trichloride. Cyanogen chloride. Oxides of carbon, phosgene.  
**Materials to avoid:** Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material; ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite; alkalis; or any organic materials. Strong acids.  
**Conditions to avoid:** Ammonia. Oxidizing agents. Flammable materials. Do not mix with any other product or chemical. Do not get water inside container. Extremes of temperature and direct sunlight. Keep away from heat.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Corrosive; Oral LD50 estimated to be between 1000 - 2000 mg/kg ; Dermal LD50 estimated to be > 2000 mg/kg  
**Component Information:** See Section 3  
**Chronic toxicity:** None known  
**Specific effects**  
**Carcinogenic effects:** None known  
**Mutagenic effects:** None known  
**Reproductive toxicity:** None known  
**Target organ effects:** None known

## 12. ECOLOGICAL INFORMATION

**Environmental Information:** No data available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**  
 Dispose of according to all federal, state and local applicable regulations

## 14. TRANSPORT INFORMATION

**DOT/TDG/IMDG:** Please refer to the Diversey HazMat Library, <http://naextranet.diverse.com/dot/>, for up to date shipping information.

**DOT Bill of Lading Description:** CLEANING, SCOURING, OR WASHING COMPOUNDS, OTHER THAN LIQUID

**IMDG Bill of Lading Description:** CLEANING, SCOURING, OR WASHING COMPOUNDS, OTHER THAN LIQUID

## 15. REGULATORY INFORMATION

**International Inventories at CAS# Level**

All components of this product are listed on the following inventories: U.S.A. (TSCA)

**U.S. Regulations**

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

**RIGHT TO KNOW (RTK)**

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Sodium carbonate	497-19-8	-	-	-	-
Sodium dichloroisocyanurate dihydrate	51580-86-0	X	X	X	X
Sodium chloride	7647-14-5	-	-	-	-
White mineral oil	8042-47-5	X	X	-	-

**CERCLA/ SARA**

**SARA 311/312 Hazard Categories**

Immediate:	X
Delayed:	-
Fire:	-
Reactivity:	-
Sudden Release of Pressure:	-

**Canada**

**WHMIS hazard class:** Not for sale in Canada

**16. OTHER INFORMATION**

<b>Reason for revision:</b>	Not applicable
<b>Prepared by:</b>	NAPRAC
<b>Additional advice:</b>	None

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