

MATERIAL SAFETY DATA SHEET



Dry Chlorine Bleach

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

Version Number: 1

Preparation date: 2008-05-20

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Dry Chlorine Bleach
MSDS #: MS0500041
Product Code: 2979646, 4999122
Recommended use: Laundry care. This product is intended to be diluted prior to use.

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

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

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..

Principle 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

Hazardous ingredients

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

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

Suitable extinguishing media: Flood with water. Do not use dry chemical extinguishing agents. Violent reaction may result.
Specific hazards: Elevated temperatures (in excess of 200 F) (93 C) may undergo thermal decomposition with the evolution of heat and dense noxious gases.

5. FIRE-FIGHTING MEASURES

Unusual hazards:	Wet material may react to form noxious gases including nitrogen trichloride (NCl ₃), an explosion hazard. Corrosive material (See sections 8 and 10).
Specific methods:	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

Personal precautions:	Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods:	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

Handling:	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.
Storage:	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

Eye protection:	Chemical-splash goggles.
Hand protection:	Chemical-resistant gloves
Skin and body protection:	If major exposure is possible, wear suitable protective clothing and footwear.
Respiratory protection:	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.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Powder	Bulk density:	No information available
pH:	Not applicable	Dilution pH:	9.1 (1%)
Appearance:	Powder	Vapor density:	No information available
Color:	White	Evaporation Rate	No information available
Odor:	Chlorine	Boiling point/range:	Not determined
Specific gravity:	1.157	Melting point/range:	Not determined
Density:	9.66 lbs/gal	Decomposition temperature:	Not determined
VOC:	0% *	Autoignition temperature:	No information available
Flash point:	Not applicable	Partition coefficient (n-octanol/water):	No information available
Solubility:	Dispersible	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorus:	0 %P

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

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. Ammonia. Oxidising agents. Flammable materials. Do not mix with any other product or chemical.

10. STABILITY AND REACTIVITY

Conditions to avoid: Do not get water inside container. Extremes of temperature and direct sunlight. Keep away from heat.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be between 500 - 2000 mg/kg Corrosive 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: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

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

STATE RIGHT TO KNOW

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

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.

Ingredient(s)	CAS #	NPRI
White mineral oil	8042-47-5	X

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

16. OTHER INFORMATION

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