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

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

2. HAZARDS IDENTIFICATION

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

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>LD50 Oral - Rat (mg/kg)</th>
<th>LD50 Dermal - Rabbit</th>
<th>LC50 Inhalation - Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dichloroisocyanurate dihydrate</td>
<td>51580-86-0</td>
<td>20 - 30%</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>70 - 80%</td>
<td>3000</td>
<td>&gt;10 g/kg</td>
<td>&gt;42 g/m³ (1 h)</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>1 - 5%</td>
<td>4090</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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.

Unusual hazards:
- Wet material may react to form noxious gases including nitrogen trichloride (NC3), an explosion hazard.
- Corrosive material (See sections 8 and 10).
5. FIRE-FIGHTING MEASURES

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

pH: Not applicable

Appearance: Pow der

Color: White

Odor: Chlorine

Specific gravity: 1.157

Density: 9.66 lbs/gal 1.157 Kg/L

VOC: 0% *

Flash point: Not applicable

Solubility: Dispersible

Viscosity: No information available

Bulk density: No information available

Dilution pH: 9.1 @ 1%

Vapor density: No information available

Evaporation Rate: No information available

Boiling point/range: Not determined

Melting point/range: Not determined

Decomposition temperature: Not determined

Autoignition temperature: No information available

Partition coefficient (n-octanol/water): No information available

Solubility in other solvents: No information available

Elemental Phosphorus: 0% by wt.

* - 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.


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.

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

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

Dry Chlorine Bleach 2 of 3
11. TOXICOLOGICAL INFORMATION

Acute toxicity: Corrosive; Oral LD50 estimated to be between 500 - 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: 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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
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<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
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<td>51580-86-0</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>White mineral oil</td>
<td>8042-47-5</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

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.

<table>
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<th>NPRI</th>
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<tr>
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<td>8042-47-5</td>
<td>X</td>
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</tbody>
</table>

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRA C
Additional advice: None

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