

Material Safety Data Sheet



LAUNDRI DRY BLEACH

Section 1. Chemical product and company identification

Trade name : LAUNDRI DRY BLEACH
Product use : Laundry product
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 912907
Date of issue : 31-August-2005

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, Information on Ingredients

Name	CAS number	% by weight
sodium carbonate	497-19-8	5 - 20
troclosene sodium, dihydrate	51580-86-0	5 - 20

Section 3. Hazards identification

Physical state : Solid. (Powder.)
Emergency overview : DANGER!

CAUSES EYE AND SKIN BURNS.
OXIDIZER.
CAUSES SEVERE RESPIRATORY TRACT IRRITATION.
HARMFUL IF SWALLOWED.
CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.

Do not ingest. Do not get in eyes, on skin or clothing. Avoid breathing dust. Avoid contact with combustible materials. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Decomposes on heating. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Corrosive to eyes.
Skin : Corrosive to the skin.
Inhalation : Severely irritating to the respiratory system.
Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach.
See toxicological Information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

- Flash point** : > 100°C
Products of combustion : These products are halogenated compounds, hydrogen chloride.
Fire fighting media and instructions : Use an extinguishing agent suitable for surrounding fires.

Dike area of fire to prevent product run-off.

This material increases the risk of fire and may aid combustion. Contact with combustible material may cause fire.

- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up : If emergency personnel are unavailable, carefully scoop up spilled materials and use a non-sparking or explosion proof means to transfer material to an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Section 7. Handling and storage

- Handling** : Do not ingest. Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling.
Storage : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-ventilated area. Separate from reducers and flammable/combustible materials, etc. in storage. Do not store above 50°C

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that eyewash stations and safety showers are close to the work-station location.

Personal protection

- Eyes** : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.
Hands : Use chemical resistant, impervious gloves.
Skin : Use synthetic apron, other protective equipment as necessary to prevent skin contact.
Respiratory : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Name
chlorine

Exposure limits

ACGIH TLV (United States, 1/2004).

STEL: 2.9 mg/m³ 15 minute(s). Form: All forms

STEL: 1 ppm 15 minute(s). Form: All forms

TWA: 1.5 mg/m³ 8 hour(s). Form: All forms

TWA: 0.5 ppm 8 hour(s). Form: All forms

OSHA PEL (United States, 8/1997).

CEIL: 3 mg/m³ Form: All forms

CEIL: 1 ppm Form: All forms

Section 9. Physical and chemical properties

Physical state	: Solid. (Powder.)
Color	: White.
Odor	: chlorine
pH	: 10 (1%)
Boiling/condensation point	: >100 °C
Dispersion properties	: Dispersed in hot water. Partially dispersed in cold water.
Solubility	: Soluble in hot water. Partially soluble in cold water.

Section 10. Stability and reactivity

Stability	: The product is stable. Decomposes on heating.
Reactivity	: Highly reactive with acids. Reactive with organic materials. Slightly reactive to reactive with metals, alkalis. Mixing this product with acid or ammonia releases chlorine gas. Do not get water inside container. Wet material may generate halogenated gas that may pressurize sealed containers.
Hazardous decomposition products	: These products are halogenated compounds, hydrogen chloride, chlorine and Oxygen.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin.
Inhalation	: Severely irritating to the respiratory system.
Ingestion	: Harmful if swallowed. Causes burns to mouth, throat and stomach.
Chronic effects on humans	: Contains material which causes damage to the following organs: skin, stomach.

Section 12. Ecological information

Products of degradation	: These products are carbon oxides (CO, CO ₂) and water, nitrogen oxides (NO, NO ₂ ...), halogenated compounds. Some metallic oxides.
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Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	-

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification : Oxidizing material
 Corrosive material
 Target organ effects
U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.
 SARA 302/304 emergency planning and notification: None.
TSCA 8(b) inventory : All materials are listed or exempt.
California prop. 65 : No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.) :

Health	*	3
Fire hazard		0
Reactivity		1
Personal protection		C

Date of issue : 31-August-2005.
Responsible name : Regulatory Affairs
Date of previous issue : 31-August-2005.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.