

SAFETY DATA SHEET

1. Product and company identification

Product Name Powdered Chlorine Bleach
UN/ID No. DOT (U.S.): Not Regulated

Recommended use of the chemical and restrictions on use

Recommended use: Industrial Powdered Chlorine for use in Laundry Equipment

Supplier: **Accurate Chemical & Services**
731 W. Fairmont Dr.
Tempe, AZ. 85282
Office 602.996.9194

Print date: Revised May 03, 2018

In case of emergency: (602) 996-9191

Poison control center (800) 222-1222

Product type: Mixture

2. Hazards identification

Appearance: White Powder	Physical State: Solid	Odor: Chlorine Odor
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Classification

Acute toxicity, Oral	Category 4, H302
Skin corrosion/irritation	Category 2 Sub-category A, H315
Serious eye damage/eye irritation	Category 2A, H319
Target Organ Toxicity	Category 3, H335
Acute Aquatic toxicity	Category 1, H410

Signal Word: Warning



Hazard Statement

Inhalation: Dust may cause irritation to respiratory tract. Symptoms may include Coughing and labored breathing.
Excessive contact is known to cause damage to nasal septum.
Harmful if swallowed.
Causes serious eye irritation
Toxic to aquatic life
May cause respiratory irritation

Precautionary Statements – Preventions

Do not handle until all safety precautions have been read and understood
Do not get in Eyes, on Skin or on Clothing. Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only with adequate ventilation, use only outdoors or in a well-ventilated area
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Keep container closed.

Precautionary Statements – Response

Immediately call A POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a POISON CONTROL or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor/physician, Rinse mouth, **Do not induce vomiting!**

Precautionary Statements – Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed
Absorb spillage to prevent material damage

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant in accordance with federal, state and local environmental control regulations.

3. Composition/information on ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight %</u>
Sodium Dichloroisocyanurate, Dihydrate	51580-86-0	7-9

4. First aid measures

Eye contact:	Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Check for and remove any contact lenses if easy to do so. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids apart. Use cool running water. Do not use an eye ointment.
Skin contact:	Remove any contaminated clothing. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove from exposure to fresh air immediately and keep at rest in a position comfortable for breathing.. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Note to physician	Treat symptomatically and supportively. Probable mucosal damage may contraindicate the use of gastric lavage. Medical conditions aggravated by exposure Asthma, respiratory and cardiovascular disease. Persons with pre-existing skin disorders or impaired respiratory or pulmonary function may be at increased risk to the effects of this substance.

5. Fire-fighting measures

Fire-Fighting Equipment/Instructions	Cool container with water spray. Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) in positive pressure mode. On small fires, use water spray or fog. On large fires, use heavy deluge or fog streams. Flooding amounts of water may be required before extinguishment can be accomplished.
<u>Extinguishing media:</u>	
Suitable:	Suitable extinguishing media such as water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable:	Do not use dry chemical extinguisher containing ammonia compounds.

Unusual Fire and Explosion Hazards	When heated to decomposition, may release poisonous and corrosive fumes of nitrogen trichloride, chlorine and CO.
Other information	Keep product and empty containers away from heat and sources of ignition

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use proper personal protective equipment as indicated in Section 8. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation.

Containment and Spillage

Handle in accordance with industrial hygiene and safety practices. Use appropriate tools to put the spilled solid in a convenient waste disposal container. Avoid generating dusty conditions. Finish cleaning the contaminated surface and dispose of according to local and regional authority requirements.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Soil: Do not contaminate spill material with any organic materials, ammonia, ammonium salts or urea. Clean up all spill material with clean, dry dedicated equipment and place in a clean dry container.

Water: This material is heavier than and soluble in water. Stop flow of material into water as soon as possible. Begin monitoring for available chlorine and pH immediately.

Air: Vapors may be suppressed by the use of water fog.

7. Handling and storage

Handling:	<ul style="list-style-type: none"> Clean and dry circuits and equipment before any operations Never return unused material to storage receptacle Containers and equipment used to handle the product should be used exclusively for that product Keep away from heat and sources of ignition Keep away from water Protect from moisture Keep away from incompatible products Avoid dust formation Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Handle in accordance with good industrial hygiene and safety procedures.
Storage	<ul style="list-style-type: none"> Keep in a dry place Keep in a cool, well-ventilated place Keep away from direct sunlight Keep away from heat Keep away from incompatible products. Keep away from combustible material The container must be exclusively for the product. Keep in container fitted with safety valve or vent and tightly closed Keep away from sources of ignition. Empty containers should be handled with care because it may contain residual amounts of this product. Do not store at temperatures above 60°C/140°F. Product has an indefinite shelf-life limitation.

8. Exposure controls/personal protection

Exposure limits: Not determined

Engineering Controls **Apply technical measures to comply with the occupational exposure limits.**
Local exhaust ventilation recommended. Eye wash stations. Showers.

Individual-protection measures, such as personal protective equipment

Eye/Face Protection	Tightly fitting chemical safety goggles must be worn
Skin and Body Protection	Wear appropriate protective gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Approved/certified dust respirator or equivalent.
General Hygiene considerations	Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

9. Physical and chemical properties

Physical state	Solid
Flash Point	Not Applicable
Color	White
pH	Approx. 11.2 in 1% Solution
Boiling/condensation point	Not Applicable
Solubility in water	Complete

10. Stability reactivity

Stability	Stable under recommended storage conditions
Reactivity	Begins to lose one mole of water at approximately 50°C
Conditions to avoid	Exposure to moisture To avoid thermal decomposition, do not overheat. Keep at temperature not exceeding: 55°C (131 °F)
Materials to avoid	Reducing agents, Nitrogen containing materials, other oxidizers, Acids, bases, oils, grease, sawdust, organic materials, dry fire extinguishers containing monoammonium compounds.
Hazardous decomposition products	Nitrogen trichloride, chlorine, carbon monoxide
Hazardous polymerization	No data available

11. Toxicological information

Acute toxicity

- Rat oral LD50 1671 mg/kg
- Rat dermal LD50 >5000 mg/kg
- Dermal irritation (rabbit) Severe irritant
- Eye irritation (rabbit) Severe irritant

Harmful if swallowed

Risk of serious irritation to eyes and skin

Irritating to respiratory system

Toxic to aquatic life

Carcinogenicity – Not classified by IARC, OSHA, EPA.

12. Ecological information

Environmental Information:

- 96 Hour-LC50 Fish: 0.22 mg/l (rainbow trout). 0.28 mg/l (bluegill sunfish)
- 48 Hour-LC50, Daphnia magna: 0.2 mg/l

Avian toxicity

- Oral LD50, Bobwhite quail 730 mg/kg
- Oral LD50, Mallard duck 3300 mg/kg
- Dietary LC50, Mallard duck >10,000 ppm
- Dietary LC50, Bobwhite quail >10,000 ppm

Remarks:

- Hazard for the environment is limited due to product properties:
- Not readily biodegradable. Rapidly hydrolyses in water into Cyanuric acid
- Not expected to bioaccumulate

13. Disposal considerations

Waste disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

DOT (U.S.): Not regulated

US DOT: Non-Bulk Packaging: Not Regulated under DOT unless transported by Vessel
Bulk Packaging for Shipment by Vessel: Regulated.

15. Regulatory information

OSHA Regulatory Status:

-This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

State Regulations: California Proposition 65: This product is not regulated

16. Other information

<u>HMIS</u>	Health Hazards	Flammability	Reactivity	Personal Protection
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Disclaimer

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and in not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet