



SAFETY DATA SHEET

1. Product and company identification

Product Name LAST WASH
UN/ID No. DOT (U.S.): Not regulated

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Heavy Duty Laundry Reclaim

Supplier: **Butler Chemicals, Inc.**
3070 E. Ceena CT.
Anaheim, CA. 92806

Print date: January 8, 2019

Responsible name: K.B.
In case of emergency: **HEALTH EMERGENCIES — SPILL EMERGENCIES**
CALL INFOTRAC 1(800) 535-5053

Product type: Mixture

2. Hazards identification

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

Skin sensitization	Category 1, H317
Eye corrosion and irritant	Category 2B, H320
Acute toxicity, Oral	Category 4, H302
Acute toxicity, inhalation	Category 4, H332
Acute aquatic toxicity	Category 1, H400

Signal Word: Warning



Hazard Statement

H320: Causes eye irritation
H317: May cause an allergic skin reaction
H302: Harmful if swallowed
H332: Harmful if inhaled
H410: Very toxic to aquatic life with long lasting effects

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
Do not breathe 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 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: 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

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sodium dichloroisocyanurate	51580-86-0	<26.00
Sodium carbonate	497-19-8	<54.00

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. Get medical attention if irritation occurs.

Skin contact: Get medical aid immediately. 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.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and suitable mechanical device such as a bag and a mask

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie , belt or waistband. Get medical attention immediately.

**Protection of first-aiders;
 Note to physician** Persons with pre-existing skin disorders or impaired respiratory or pulmonary function may be at increased risk to the effects of this substance. Treat symptomatically and supportively.

5. Fire-fighting measures

Extinguishing media:
Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In case of fire Use water only!. Smothering is ineffective, product supplies own oxygen

Unusual fire and explosion hazards Highly reactive oxidizing and chlorinating agent. Contact with organics or easily chlorinated material may cause fire.

Specific hazards arising from the chemical Carbon oxides, Nitrogen Oxides (NOx), Hydrogen Chloride gas, Sodium Oxides

Decomposition products: Oxygen

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Fire fighters must wear fire resistant personnel protective equipment

Other information Evacuate personnel to a safe area. Keep product and empty containers away from heat and sources of ignition

6. Accidental release measures

Personal precautions:	Keep away from incompatible products Keep away from water
Environmental precautions:	Avoid release to the environment. Collect spillage. See section 12 for additional Ecological information. Dispose of contents/ container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water for sanitary sewer systems.
<u>Methods for cleaning up</u>	Keep unnecessary people away, isolate hazard area and deny entry. DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Sweep and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. DO NOT attempt to reseal contaminated drums. DO NOT transport wet or damp material. Damp material should be neutralized to a non-oxidizing state. Keep out of water supplies and sewers. Releases should be reported. If required to appropriate agencies.

7. Handling and storage

Handling:	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.
Storage	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. The container must be exclusively for the product. Keep in container fitted with safety valve or vent Keep away from heat/sparks/open flames/hot surfaces

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

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	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH, (US) or EN 166 (EU)
Skin and Body Protection	Rubber 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	White Powder
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	Potential for exothermic hazard Stable under recommended storage conditions
Hazardous polymerization	Will not occur
Conditions to avoid	Exposure to moisture To avoid thermal decomposition, no not overheat. Keep at temperature not exceeding: 55°C (131 °F)
Materials to avoid	Water, acids, bases, heavy metal salts, reducing agents, organic materials, flammable materials
Hazardous decomposition products	Nitrogen Trichloride, Chlorine, Cyanuric Acid

11. Toxicological information

Toxicological Information

Acute toxicity

ORAL LD50 (rat)(mg/kg): 1355 (male) and 1400 (female)

Special Remarks on Toxicity to Animals: No data available

Special Remarks on Chronic Effects on Humans: No data available

Special Remarks on other Toxic Effects on Humans: No data available

12. Ecological information

Environmental effects:

Acute toxicity to fish

Lepomis macrochirus (Bluegill) – LC50 300 m/l – 96 h

Remarks:

- Hazard for the environment is limited due to product properties:
- Weak persistence of degradation products
- Does not 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

15. Regulatory information

State Regulations

California Proposition 65: This chemical is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information

HMIS

Health Hazards

2

Flammability

0

Reactivity

1

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 is 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