

Sparks

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Sparks
Product Use Mechanical Dish Detergent
Product Code 4627
For Medical Emergency Call Chemtrec 1-800-424-9300
Supplier's Information Cleanslate Inc. 1420 East Linden Avenue, Linden NJ 07036

2. HAZARD IDENTIFICATION

GHS Classification. 1. Skin - Category 1A
 2. Eyes - Category 1

GHS Label Element.



Signal Word. Danger
Hazard Statement. Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary Statements. Wash hands thoroughly after handling. Wear protective gloves and eye protection.

Acute Effects

Eyes. Causes eye burns. May cause chemical conjunctivitis and corneal damage. Lachrymator (substance which increases the flow of tears).
Skin. Causes skin burns. May cause deep, penetrating ulcers of the skin. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.
Inhalation. Material is irritating to mucous membranes and upper respiratory tract.
Ingestion. May cause severe and permanent damage to the digestive tract. Causes severe pain, nausea, vomiting, diarrhea, and shock. Harmful if swallowed.
Chronic Effects
Carcinogenicity. No known critical effects or critical hazards.
Product /Ingredient Name. Not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name of Hazardous Ingredients	CAS No.	Concentration
Sodium hydroxide (Caustic soda; Lye solution)	1310-73-2	25.0 -50.0 %
1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt	40372-66-5	1.0 -5.0 %

4. FIRST AID MEASURES

Eye Contact. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately. Assure adequate flushing by separating the eyelids with fingers.
Skin Contact. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.
Inhalation. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical aid. Remove from exposure and move to fresh air immediately.
Ingestion. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Suitable Fire Extinguishing Media. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
 Do NOT get water inside containers.
Hazardous Thermal Decomposition Products. No Specific Data
Specific Fire-Fighting Methods. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Contact with metals may evolve flammable hydrogen gas.

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6. ACCIDENTAL RELEASE MEASURES

Spill Clean Up. Use proper personal protective equipment as indicated in Section 8.
 Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.

7. HANDLING AND STORAGE

Handling. Wash thoroughly after handling. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing.

Storage. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>CAS #</u>	<u>Partial Chemical Name</u>	<u>OSHA TWA</u>	<u>ACGIH TWA</u>
1310-73-2	Sodium hydroxide (Caustic soda; Lye solution)	PEL: 2 mg/m ³	CEIL: 2 mg/m ³
40372-66-5	1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt		

Personal Protective Equipment

Eyes. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves. Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing. Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls

(Ventilation etc.). Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Work/Hygienic/Maintenance Practices. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: Solid
Appearance and Odor: Mild odor. White to off-white solid block
Melting Point:
Boiling Point:
Autoignition Pt:
Flash Pt:
Explosive Limits: LEL: UEL:
Specific Gravity (Water = 1): ~ 1.0
Mild odor.
White to off-white solid block
Appearance and Odor:
Vapor Pressure (vs. Air or mm Hg):
Vapor Density (vs. Air = 1):
Evaporation Rate:
Solubility in Water: >90%

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10. STABILITY AND REACTIVITY

Stability. The product is stable.

Possibility of hazardous reactions. Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid. Avoid contact with acids, reducing agents, oxidizers, nitrogen oxides, amines, ammonia or other nitrogen containing compounds. Exposure to moist air or water, Excess heat.

Materials to avoid. Sulfur oxides. Metals. Acids, Aluminum, Zinc, gelatin, nitromethane, leather, Strong acids. fluorine, Hydrogen peroxide.

Hazardous decomposition products. Toxic fumes of sodium oxide, Carbon monoxide, Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

CAS #	Product/Ingredient Name	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide (Caustic soda; Lye solution)	n.a.	n.a.	n.a.	n.a.
40372-66-5	1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Waste Information.
Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14. TRANSPORT INFORMATION

Regulatory Information DOT Classification	UN Number	Proper Shipping Name	Classes	PG*
	UN3262	Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)	8	II

Note. DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.

PG*. Packing Group

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists					
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)	
1310-73-2	Sodium hydroxide (Caustic soda; Lye solution)	No	Yes NA	No	
40372-66-5	1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt	No	No	No	
Other US EPA or State Lists					
1310-73-2	Sodium hydroxide (Caustic soda; Lye solution)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No			
40372-66-5	1,2,4-Butanetricarboxylic acid, 2-phosphono-, sodium salt	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No			

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **Date of Issue: 09/29/2022**

***Hazard Determination System (HDS):**

Health	2
Reactivity	0
Flammability	1

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.