

SAFETY DATA SHEET

SUPER B KLEEN NO. 310

Product ID: FP031002

Revised: 01-08-2015

Replaces: 01-08-2015

1. IDENTIFICATION

Product Name: SUPER B KLEEN NO. 310
Synonyms: N.A.
CAS Number: MIXTURE
Recommended Use: No data available.
Restrictions on Use: No data available.

Hydrite Chemical Co.
300 N. Patrick Blvd.
Brookfield, WI 53008-0948
(262) 792-1450

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: (414) 277-1311
CHEMTREC Emergency #: (800) 424-9300

2. HAZARD(S) IDENTIFICATION



Signal Word: Danger

GHS Classification: Serious Eye Damage/Eye Irritation Category 1
Skin Corrosion/Irritation Category 2
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Acute Toxicity - Inhalation Dust / Mist Category 4

Hazard Statements: Causes skin irritation.
Causes serious eye damage.
Harmful if inhaled.
May cause respiratory irritation.

Precautionary Statements:

Prevention: Avoid breathing dust, gas, mist, vapors or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear gloves, eye and face protection and protective clothing.

Response: IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see First Aid on SDS or on this label).
If skin irritation occurs: Get medical advice or attention.
Take off contaminated clothing and wash before reuse.

Storage: Store in a well-ventilated place. Keep container tightly closed.
Store in a secure manner.

Disposal: Dispose of in accordance with local, regional and international regulations.

Hazards Not Otherwise Classified: May form explosive dust-air mixtures. May react with certain metals, in the presence of moisture, to form explosive/flammable hydrogen gas. May react with various food sugars to form carbon monoxide.

Percentage of Components with Unknown Acute Toxicity:

Oral: 11.9 %
Dermal: 44.7 %
Inhalation Vapor: 63.3 %
Inhalation Dust/Mist: 63.3 %

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	% by Wt.
Sodium Carbonate	497-19-8	< 30 %
Sodium Tripolyphosphate	7758-29-4	< 25 %
Sodium Dodecylbenzene Sulfonate	25155-30-0	< 15 %
Tetrasodium Pyrophosphate	7722-88-5	< 3 %

4. FIRST-AID MEASURES

Eye Contact: If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

Skin Contact: If on skin: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned. Wash with soap and water. Do not apply oils or ointments unless ordered by the physician.

Inhalation: If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: If swallowed: If fully conscious, drink a quart of water. DO NOT induce vomiting. CALL A PHYSICIAN IMMEDIATELY. If unconscious or in convulsions, take immediately to a hospital or a physician. NEVER induce vomiting or give anything by mouth to an unconscious victim. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Note to Physicians:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Most Important Symptoms/Effects:

Eye Contact: Causes severe irritation. May cause: permanent eye damage.
Skin Contact: May cause severe irritation. May cause a more severe response if skin is damp.
Inhalation: May cause moderate irritation.
Ingestion: May be corrosive to the gastrointestinal tract. Severe irritation and burns may result.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Not combustible. For fires in area use appropriate media. For example: Water spray. Dry chemical. Carbon dioxide. Foam.

Fire Fighting Methods: Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products.

Fire and Explosion Hazards: May form explosive dust-air mixtures.

Hazardous Combustion Products: Sulfur oxides. Sodium oxide. Carbon dioxide. Sulfur dioxide. Sodium oxides. Phosphorous oxides.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-Up Procedures: Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Sweep up material into containers and dispose of properly. Avoid dust formation. If possible, complete cleanup on a dry basis. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Do not touch or walk through spilled material.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Avoid dust or mist formation. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

Storage: Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. HYGROSCOPIC MATERIAL. Avoid contact with moisture. Store in closed containers. Do not use aluminum equipment for storage and/or transfer. Avoid excessive heat. Deadly carbon monoxide gas can form in enclosed or poorly ventilated areas or tanks when alkaline products contact food, beverage, or dairy products. Do not enter such areas until they have been well ventilated and carbon monoxide and oxygen levels have been determined to be within OSHA acceptable limits. If carbon monoxide and oxygen levels cannot be measured, wear NIOSH-approved, self-contained breathing apparatus. See Section 10 for incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
No components found.	

ACGIH Exposure Guidelines:

<u>Component</u>	<u>Limits</u>
No components found.	

Note:

* Recommend exposure limits for Particulates Not Otherwise Regulated/Particulates (Insoluble or Poorly Soluble) Not Otherwise Specified: 15 mg/m³ (Total Dust), 5 mg/m³ (Respirable Fraction)(OSHA); 3 mg/m³ (Respirable particles), 10 mg/m³ (Inhalable particles)(ACGIH).

Engineering Controls: General room ventilation and local exhaust are required. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly. Use explosion-proof ventilation equipment.

Eye/Face Protection: Wear chemical safety goggles while handling this product. Do not wear contact lenses.

Skin Protection: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious.

Respiratory Protection: Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved air-purifying respirator with: Dust/mist filter. NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other Protective Equipment: Eye-wash station. Safety shower. Rubber apron. Chemical safety shoes. Protective clothing. NOTE: The above protective equipment is listed for exposure to this product at full strength.

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When using this product at the recommended use dilution of up to 4 oz/gal, wearing rubber gloves and safety glasses are acceptable precautionary measures.

General Hygiene Conditions: Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder.

Color: Green.

Odor: No odor.

Odor Threshold: N.D.

pH: 11.8 (1% sol'n)

Freezing Point (deg. F): N.D.

Melting Point (deg. F): N.D.

Initial Boiling Point or Boiling Range: N.D.

Flash Point: N.A.

Flash Point Method: N.A.

Evaporation Rate (nBuAc = 1): N.D.

Flammability (solid, gas): N.D.

Lower Explosion Limit: N.A.

Upper Explosion Limit: N.A.

Vapor Pressure (mm Hg): N.D.

Vapor Density (air=1): N.D.

Specific Gravity or Relative Density: N.A.

Solubility in Water: Appreciable

Partition Coefficient (n-octanol/water): N.D.

Autoignition Temperature: No Data

Decomposition Temperature: N.D.

Viscosity: N.D.

% Volatile (wt%): N.D.

VOC (wt%): <0.60

VOC (lbs/gal): N.A.

Fire Point: N.D.

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur under normal conditions. Reacts with acids and releases large volumes of carbon dioxide gas and heat. Reactions with various food sugars may form carbon monoxide. Reacts with strong acids to generate hydrogen chloride. Reacts with strong oxidizing agents to generate chlorine gas.

Conditions to Avoid: HYGROSCOPIC MATERIAL. Avoid contact with moisture. Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Avoid elevated temperatures. Avoid dust formation.

Incompatible Materials: Strong oxidizing agents. Aluminum. Magnesium. Acids. Fluorine. Lithium. Steel. Phosphorous pentoxide. 2,4,6-Trinitrotoluene. Sulfuric acid. Soda ash and lime dust (calcium oxide) in the presence of moisture may form corrosive caustic soda. Food sugars. Becomes corrosive to metals when wet.

Hazardous Decomposition Products: Sulfur oxides. Sodium oxide. Carbon dioxide. Carbon monoxide. Chlorine gas. Hydrogen chloride. Sulfur dioxide.

11. TOXICOLOGICAL INFORMATION

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Carbonate	Rat: 4090 mg/kg	Mouse: 2210 mg/kg	2H Rat: 2,300.0 mg/m3
Sodium Tripolyphosphate	Rat: 3100 mg/kg	Rabbit: > 7940 mg/kg	No Data
Tetrasodium Pyrophosphate	Rat: > 2000 mg/kg	No Data	No Data

Acute Toxicity Estimate (ATE):

Inhalation Dust/Mist: 3.5219 mg/L

Routes of Exposure: Eyes. Ingestion. Inhalation. Skin.

Eye Contact: Causes severe irritation. May cause: permanent eye damage.

Skin Contact: May cause severe irritation. Contact may cause: redness. swelling. May cause a more severe response if skin is damp. Prolonged contact may cause: drying. chapping.

Skin Absorption: No data available.

Inhalation: May cause moderate irritation. Dusts may irritate: mucous membranes. respiratory tract. Dusts may cause: coughing. tightness of the chest. running nose. chest pain. burning sensation.

Ingestion: May be corrosive to the gastrointestinal tract. Severe irritation and burns may result. May cause: gastrointestinal irritation. diarrhea. nausea. vomiting. abdominal cramps. corrosion. Large amounts may cause: cramps. restlessness. irritability. dehydration. water retention. nose bleed. gastrointestinal tract damage. fever. sweating. sunken eyes. hypertension. weakness. dry mouth and nose. shock. cerebral edema (fluid on brain). pulmonary edema. blood cell shrinkage. brain damage (due to dehydration of brain cells). Death is generally due to cardiovascular collapse or CNS damage.

Medical Conditions Aggravated by Exposure to Product: Skin disorders. Respiratory system disorders. Hypertension.

Other: None known.

Cancer Information:

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

For detailed toxicological information on this product, contact the address in Section 1 of this MSDS.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Hazardous Waste Number: N.A.

Disposal Method: Dispose of in accordance with all local, state and federal regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

DOT (Department of Transportation):

Identification Number: UN3077

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS SODIUM DODECYLBENZENE SULFONATE; SODIUM PHOSPHATE,

TRIBASIC)
Hazard Class: 9
Packing Group: III
Label Required: Class 9
Reportable Quantity (RQ): 5000# (Sodium phosphate, tribasic); 1000# (Sodium dodecylbenzene sulfonate)
Note: This material is not DOT regulated in shipments less than 9523#.

15. REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA Title III Section 311/312 Category Hazards:

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>			<u>Reactive</u>	
Yes	No	No	No			No	
Regulated Components:	CAS	CERCLA	SARA	SARA	U.S.	WI	Prop
<u>Component</u>	<u>Number</u>	<u>RQ</u>	<u>EHS</u>	<u>313</u>	<u>HAP</u>	<u>HAP</u>	<u>65</u>
Sodium Tripolyphosphate	7758-29-4	Yes	No	No	No	No	No
Sodium Dodecylbenzene Sulfonate	25155-30-0	Yes	No	No	No	No	No

*Prop 65 - May Contain the Following Trace Components:

Lead
Arsenic
Ethylene Oxide

16. OTHER INFORMATION

Hazard Rating System

Health: 2
Flammability: 1
Reactivity: 0
* = Chronic Health Hazard

NFPA Rating System

Health: 2
Flammability: 1
Reactivity: 0
Special Hazard: None

MSDS Abbreviations

N.A. = Not Applicable
N.D. = Not Determined
HAP = Hazardous Air Pollutant
VOC = Volatile Organic Compound
C = Ceiling Limit
N.E./Not Estab. = Not Established

MSDS Prepared by: NAO

Reason for Revision: Change(s) made in Section 8.

Revised: 01-08-2015

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The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for

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which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.