

**SECTION 1: SUBSTANCE IDENTIFICATION AND COMPANY INFORMATION.**

**1.1 PRODUCT IDENTIFICATION**

PRODUCT NAME:	<b>NEOSAN LABS DKON LAUNDRY COMBINED FOR USE.</b>
BRAND:	NEOSAN LABS DKON LAUNDRY PART A COMBINED WITH PART B
COMPOSITION:	Biodegradable mixture of cationic surfactants, non-ionic surfactants, hydrogen peroxide, water and inert ingredients.
NAME OF THE SUBSTANCE 1:	Compound of quaternary ammonium ion compounds, alkyl dimethyl benzyl chloride (50% C14, 40% C12, 10% C16) ammonium
CAS NUMBER:	68424-85-1
NAME OF THE SUBSTANCE 2:	Compound of quaternary ammonium pentamethyltallowalkyl-1,3-propane diammonium dichloride
CAS NUMBER:	68607-29-4
NAME OF THE SUBSTANCE 3:	Hydrogen Peroxide
CAS NUMBER:	7722-84-1

**1.2 IDENTIFIED RELEVANT USES OF THE SUBSTANCE OR MIXTURE AND INADVISABLE USES**

<b>IDENTIFIED RELEVANT USES OF THE SUBSTANCE</b>	Product used: <b>NEOSAN LABS DKON LAUNDRY PART A</b> (50%) combined with <b>NEOSAN LABS DKON LAUNDRY PART B</b> (50%), for its application; mix is done by the applicator before introducing the mixture into the washing machine. The product is designed specifically as a decontaminant, cleaner and disinfectant laundry detergent. It is formulated to wash a wide variety of clothing: cotton, polyester, wool, microfibers and textiles with metal threads, plastic pieces and reflective strips. In addition, this product deodorizes textiles that are hard to keep fresh smelling such as textiles with odors caused by microorganisms or chemicals. For a complete list of applications, see section 16
<b>INADVISABLE USES</b>	No information available.

**1.3 PROVIDER OF THE SAFETY DATA SHEET**

<b>PROVIDER:</b>	<b>NEOSAN LABS INC.</b> 609 BROADWAY BLVD N.E. ALBUQUERQUE. NEW MEXICO. 87102 USA <a href="mailto:contact@neosanlabs.com">contact@neosanlabs.com</a>
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**1.4 EMERGENCY TELEPHONE**

	Information updated of the product's composition has been sent to the Toxicology Information Service (National Institute of Toxicology and Forensic Sciences). In case of poisoning, call Toxicology Information Service
<b>POISON CENTER</b>	<b>+1 800-222-1222</b> 24 h/365 days

**SECTION 2: HAZARDS IDENTIFICATION.**

**Under conditions of intended use this product is not considered hazardous and does not pose a risk to health.**

**2.4. HAZARD RATING (NFPA)**

<b>NFPA USA CODES</b>	HEALTH: 1 / FLAMMABILITY: 0 / REACTIVITY: 0
<b>HMIS CODES</b>	HEALTH: 1 / FLAMMABILITY: 0 / REACTIVITY: 0 / PPE:A

<b>SECTION 3: COMPOUND/INFORMATION ABOUT COMPOUNDS</b>		
<b>3.1 SUBSTANCE</b>		
<i>CAS Number</i>	<i>Identification name</i>	<i>Content mass% (or grams)</i>
68424-85-1	Compound of quaternary ammonium ion compounds, alkyl dimethyl benzyl chloride (50% C14, 40% C12, 10% C16) ammonium.	2.5 – 3 % (m/m)
68607-29-4	Compound of quaternary ammonium pentamethyltallowalkyl-1,3-propane diammonium dichloride	0.75 – 1 % (m/m)
7722-84-1	Hydrogen peroxide	2.5 - 4% (m/m)
<p><b>NEOSAN LABS DKON LAUNDRY COMBINED FOR USE:</b> Biodegradable mixture of cationic, non-ionic surfactants hydrogen peroxide and inert ingredients.</p> <p>2.5 - 3% of the quaternary ammonium ion compounds, chlorides, alkyl dimethyl benzyl ammonium, 0.75 - 1% of quaternary ammonium pentamethyltallowalkyl-1,3-propane diammonium dichloride, 2.5 - 3.95% of hydrogen peroxide, and 94.25 – 92 % water and inert ingredients.</p>		

<b>SECTION 4: FIRST AID MEASURES</b>	
IN CASE OF EYE CONTACT:	Flush cautiously with running water for a period of between 15 and 20 minutes. Remove contact lenses, if they are easy to remove. Continue rinsing. If eye irritation persists, consult a Physician.
IN CASE OF SKIN CONTACT:	Take off contaminated clothing and wash before reuse. Wash immediately and abundant for a period of between 15 and 20 minutes. If skin irritation persists, consult a Physician.
IF INHALED:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call the TOXICOLOGY INFORMATION SERVICE or a Physician if feeling unwell.
IN CASE OF INGESTION:	Call the TOXICOLOGY INFORMATION SERVICE or a Physician if feeling unwell. Needs specific measures. If victim is able to swallow, give water or milk quickly. DO NOT induce vomiting unless instructed to do so from the toxicology service or a doctor. Do not introduce anything in the mouth to an unconscious person. Use of gastric lavage may be contraindicated because of the high probability of mucosal lesions.

<b>SECTION 5: FIRE FIGHTING MEASURES</b>
<b>Material is not flammable or combustible.</b>
<b>5.1 EXTINGUISHING MEASURES</b>

Same as those used for surrounding fire.

**5.2 SPECIFIC HAZARDS FROM THE SUBSTANCE OR MIXTURE:**

Non-flammable substance. No unusual risks of fire and explosion.  
 In case of fire, the thermal decomposition may give off nitrous oxides and ammoniac vapours and carbon dioxide during the fire.

**5.3 PERSONAL RECOMMENDATIONS FOR FIRE FIGHTING:**

There is no special procedure for firefighting.

**SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE**

**6.1 PERSONAL PRECAUTIONS, EQUIPMENT PROTECTION AND EMERGENCY PROCEDURES:**

Avoid contact with skin and eyes. Wear protection glasses (face shield or safety glasses).  
 Wear protective clothing and gloves resistant to chemicals (butyl rubber, nitrile and neoprene, polyethylene; polyvinyl chloride).  
 Consult the advice in section 8.

**6.2 PRECAUTIONS RELATIVE TO THE ENVIRONMENT**

Do not discharge waste into drains or watercourses. Dispose of waste according to local regulations. Throw away clothing and other absorbent materials that have been impregnated or strongly contaminated by the product, adequately according to local regulations.

**6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING**

Contain spillage, flush with large amount of water. Avoid large discharges; sorbents may be used. Create dams with sand or land to contain the spill.

**SECTION 7: HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING**

<p>RECOMMENDATIONS OF GENERAL MEASURES OF HYGIENE AT WORK</p>	<p>Do not eat, drink nor smoke while using the product.          Wash hands with soap and water thoroughly after handling.          For cleaning and maintenance of protective clothing, use detergent and hot water. Keep and wash protective clothing separately from other laundry.          Use in a well-ventilated area.</p>
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**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY POSSIBLE INCOMPATIBILITIES**

Keep away from food and beverages, including those for animals.  
 Store in a dry place. The storage temperature can be between -21°F / -6°C and +71°C / +160°F. The optimum storage temperature is between 50° F / 10° C and 119° F / 48° C.  
 Keep out of anionic materials.  
 In case of fire, do not breathe smoke.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS**

**PART A- SUBSTANCES:** The data of this substances are not available: quaternary ammonium ion compounds, alkyl dimethyl benzyl chloride (50% C14, 40% C12, 10% C16) ammonium (CAS Number: 68424-85-1) and pentamethyltallowalkyl-1,3-propane diammonium dichloride (CAS Number: 68607-29-4).  
 TLV Limit in Air / TVL 8 hours: ppm not established - mg/m3 not established (Threshold Limit Value)

STEL: ppm not established - mg/m3 not established (Short-Term Exposure Limit)

**PART B- SUBSTANCE:** Hydrogen peroxide (CAS number: 7722-84-1)  
 TLV: 1ppm – 1.5 mg/m3 (Threshold Limit Value)

**8.2 EXPOSURE CONTROLS**

<b>Eye protection / face:</b>	Wear eye protection (face shield or safety glasses needs).
<b>Skin protection:</b>	Use clothes for protection (long sleeve shirt, long pants, shoes and socks)
<b>Hand protection:</b>	Wear resistant gloves when using chemical products resistant (butyl rubber, nitrile and neoprene, polyethylene, polyvinyl chloride).
<b>Respiratory protection:</b>	Atmospheric levels should be maintained below the exposure limits listed in section 8.1. If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, use approved full face piece air-purifying respirator. Do not use a mask containing oxidizable elements
<b>Local exhaust:</b>	Provide local exhaust, normal dilution ventilation is acceptable. Refer to Industrial Ventilation by ACGIH for a manual of recommended practices.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Light yellowish clear liquid
<b>ODOR:</b>	Soap
<b>COLOR:</b>	Light yellowish
<b>EVAPORATION RATE:</b>	1 (water= 1)
<b>INFLAMMABILITY:</b>	Not flammable
<b>VAPOR PRESSURE:</b>	Unknown
<b>SOLUBILITY IN WATER:</b>	Complete
<b>DENSITY:</b>	1.06
<b>CONCENTRATE pH:</b>	9.8
<b>BOILING POINT:</b>	100 °C (212°F)
<b>EXPLOSIVE PROPERTIES:</b>	No risk of explosion
<b>OXIDIZING PROPERTIES:</b>	Non-oxidising

**SECTION 10: STABILITY AND REACTIVITY**

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<b>10.1 REACTIVITY:</b>
There is no known risk of reactivity.
<b>10.2 CHEMICAL STABILITY:</b>
The product is stable. No known hazardous reactions.
<b>10.3 POSSIBILITY OF HAZARDOUS REACTIONS:</b>
There is no risk of polymerization.
<b>10.4 CONDITIONS TO AVOID:</b>
Keep away from food and beverages, including those for animals. Store in a dry place. The storage temperature can be between -21°F / -6°C and +71°C / +160°F. The optimum storage temperature is between 50° F / 10° C and 119° F / 48° C.
<b>10.5 INCOMPATIBLE MATERIALS:</b>
Anionic materials.
<b>10.6 HAZARDOUS DECOMPOSITION PRODUCTS:</b>
In case of fire, thermal decomposition can release nitrogen oxides, ammonia vapor and carbon dioxide.
<b>10.7 HAZARDOUS COMBUSTION PRODUCTS:</b>
In case of fire, thermal decomposition can release nitrogen oxides, ammonia vapor and carbon dioxide.

<b>SECTION 11: TOXICOLOGIC INFORMATION</b>	
<b>11.1 INFORMATION ABOUT TOXICOLOGIC EFFECTS</b>	
<b>Acute oral toxicity</b>	Harmful if swallowed. High likelihood of mucosal lesions.
<b>Acute inhalation toxicity</b>	Harmful if inhaled. Shortness of breath.
<b>Skin Irritation</b>	May cause skin irritation.
<b>Eye irritation</b>	May cause severe eye irritation
<b>Carcinogenicity:</b>	This product is not listed in IARC Monographs, the NTP 6th Annual Report on the current SCGIC TLV's as a carcinogen or potential carcinogen. IARC: Not classified as a human carcinogen. NTP: Not classified as a human carcinogen. OSHA: Not classified as a human carcinogen.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>	
<b>12.1 TOXICITY:</b>	
Information not available	
<b>12.2 PERSISTENCES AND DEGRADABILITY:</b>	
Information not available	
<b>12.3 POTENTIAL OF BIOACCUMULATION:</b>	
Information not available	

<b>12.4 MOBILITY IN FLOOR:</b>
Information not available
<b>12.5 RESULTS OF PBT AND VPVB:</b>
Information not available
<b>12.6 OTHER ADVERSE EFFECTS:</b>
Information not available
<b>12.7 OTHER INFORMATION:</b>
Ecological data are not available. Avoid product spills into drains, floor or watercourses.

SECTION 13: DISPOSAL CONSIDERATIONS	
13.1 METHODS FOR WASTE TREATMENT	
<b>DISPOSAL OF WASTE PRODUCT.</b>	Do not discharge into drains or waterways. To not pollute the ground, avoid release to the environment.  Immediately after emptying the contents, rinse three times or pressure rinse (or equivalent). The triple rinsing should be done as follows. Empty the remaining contents of container and drain for 10 seconds. Fill a quarter of the container with water container. Shake for 10 seconds. Pour into a water tank for later disposal wiped. Let drain for 10 seconds. Repeat two or more times. The elimination of waste is under the owner responsibility. Given the small rate of substance concentration the product is not considered dangerous. Dispose contents properly according to local regulations.
<b>CONTAMINATED CONTAINER DISPOSAL</b>	Do not reuse or refill container. Save the container label. Contaminated packaging can be eliminated as non-hazardous waste under the full responsibility of the owner of the waste. Dispose of packaging properly with local, state, national and federal environmental control regulations. Nomenclature: 01 15 02 plastic packaging waste.
<b>LOCAL PROVISIONS.</b>	Remove material or dispose in accordance with all applicable federal, state, national and local regulations

SECTION 14: TRANSPORT INFORMATION.	
<b>OTHER RELEVANT INFORMATION:</b>	The product is not classified as hazardous for any mode of transportation. You do not need any special handling procedure. The product is not regulated under DOT, ICAO/IATA and VESSEL (IMO/IMDG) Regulations.

SECTION 15: REGULATORY INFORMATION.		
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**UNITED STATES - SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Not hazardous

**313 REPORTABLE INGREDIENTS:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**UNITED STATES - TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** Some ingredients are listed on the TSCA chemical substance inventory.

Chemical Name	CAS #
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1
Hydrogen Peroxide	7722-84-1

**UNITED STATES CERCLA** CERCLA RQ: 1,000 lbs  
 (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

**15.2 CHEMICAL SAFETY ASSESSMENT**

According to HMIS it is 0 (zero) for flammability and physical hazard, however under PPE it is classified with an 'H' which means safety goggle, gloves and apron is recommended for handling

**SECTION 16: OTHER INFORMATION**

**COMPLETE LIST OF USES**

- Antibacterial
- Virucide
- Fungicide
- Fungistatic
- Yeasticidal
- Algaecide
- Deodorizer
- Chemical decontaminant
- Sporicidal

The product is designed specifically as a general decontaminant and disinfectant for use in laundry process to wash military and civilian fabrics.

**This SDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.**

**The information contained herein has been compiled from sources considered by NEOSAN LABS Inc. to be dependable and is accurate to the best of the Company's knowledge. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and disposal considerations. The information relates to the specific**

materials designated herein and does not relate to the use in combination with any other material or other process. The listed hazard data herein may reflect the hazards related to the formulation as a whole or to individual components at 100% concentration. Therefore, certain warnings and hazard statements contained on this SDS may not be applicable to or included in the package labelling. SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This Information must be included in all SDS's that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE