

*** SAFETY DATA SHEET ***

LACTICHECK™ PROTEIN CLEANING CONCENTRATE

*** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ***

Product Name LactiCheck™ Protein Cleaning Concentrate
Product Code(s): 70L005, 70L006

Company Identification: Page & Pedersen, Inc.
158 West Main Street
Hopkinton, MA 01748
USA
Tel: +US (508)435-5966

Product Use: Reconstituted according to directions, used to clean LactiCheck™ Milk
Composition Analyzers

*** SECTION 2 – HAZARDS IDENTIFICATION ***

Emergency Overview: This product is a white granular powder with brown specs and little odor. Exposure can be irritating to the eyes. It is a non-flammable solid.

Hazard Category: Eye Irritation 2A H319
Signal Word: Warning
Hazard Statement: Causes serious eye irritation
Hazard Pictograms: GHS07



Precautionary Statements:

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Safety Phrases:

S8: Keep container dry until reconstitution is complete
S22: Do not breathe dust
S24/25: Avoid contact with skin and eyes
S26: In case of contact with eyes, rinse with plenty of water; seek medical advice

Health Hazards or Risks from Exposure:

Accute: Exposure to this product may cause irritation of the eyes, respiratory system and skin. Ingestion may cause gastrointestinal irritation including pain, vomiting and diarrhea.

*** SECTION 3 – COMPOSITION INFORMATION ON INGREDIENTS ***

Hazardous ingredients:	CAS#	EINECS#	ICSC#	WT%	Hazard Classification::HC Risk Phrases: RP
Sodium Bicarbonate	144-55-8	205-633-8	1044	33 - 43%	HC: None RP: None
Sodium Tripolyphosphate	7758-29-4	231-838-7	1469	20 - 30%	HC: None RP: None
Sodium (C10 - C16) Alkylbenzene Sulfonate	68081-81-2	268-356-1	Not Listed	10 - 20%	HC: None RP: None
Sodium Carbonate	497-19-8	207-638-8	1135	1 - 10%	HC: [Xi] Irritant RP: R36
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins or respiratory sensitizers)					

*** SECTION 4 – FIRST AID MEASURES ***

Description of first aid measures**General advice**

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention if necessary. Take copy of label and SDS to health professional with contaminated individual

If inhaled

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

In case of skin contact

Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder clothing before re-use.

In case of eye contact

Remove contact lenses, if worn. Rinse opened eye for 15 - 20 minutes under clean, running water. If symptoms persist, consult a doctor.

If swallowed

If product is ingested, call physician or poison control center for most current advise. If professional advice is not available, do not induce vomiting. Never give diluents (milk or water) or anything by mouth to an unconscious person, someone who is having convulsions or who cannot swallow. Seek medical advice. Take a copy of the label and SDS with the victim to health professional.

Medical Conditions Aggravated by Exposure: Pre-existing skin or eye problems may be aggravated by prolonged contact.

Recommendations to Physicians: Treat symptoms and reduce over-exposure.

*** SECTION 5 – FIRE FIGHTING MEASURES ***

Flash Point:

Non Flammable

Autoignition Temperature

Not Applicable

Flammable Limits (in air by volume, %)

Lower (LEL): NA Upper (UEL): NA

Fire Extinguishing Materials

As appropriate for surrounding fire. Carbon dioxide, foam, dry chemical, halon or water spray
This product is non-flammable and has no known explosion hazards

Unusual Fire and Explosion Hazards

No5 Sensitive

Explosion Sensitivity to Mechanical Impact

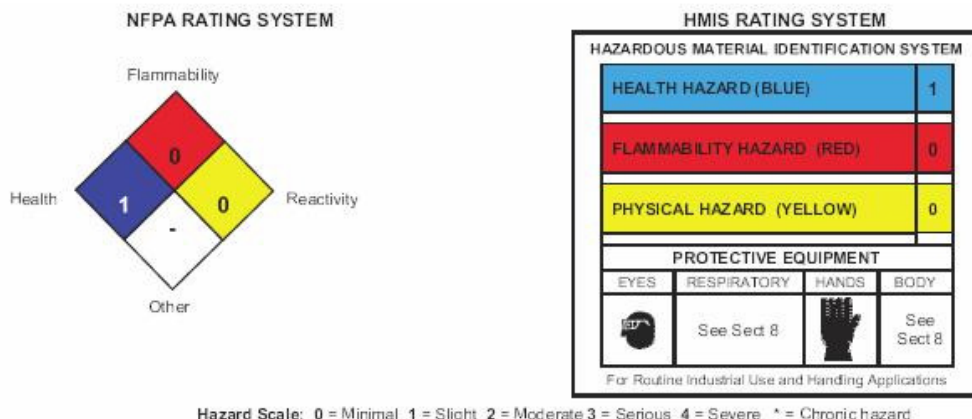
Not Sensitive

Explosion Sensitivity to Static Discharge

Special Fire-Fighting Procedures

Incipient fire responders should wear eye protection.
Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment.

Isolate materials not involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.



*** SECTION 6 – ACCIDENTAL RELEASE MEASURES ***

Spill and Leak Response: Personnel should be trained for spill response operations.

SPILLS: Contain spill if safe to do so. Prevent entry into drains. Sweep, shovel or vacuum spilled material and place in an appropriate container for disposal. Avoid dust generation if possible. Dispose of in accordance with applicable Federal, State and local procedures (see Section 13, Disposal Considerations).

*** SECTION 7 – HANDLING AND STORAGE ***

Work Practices and Hygiene Practices: As with all chemicals, avoid getting this product on you or in you. Wash thoroughly after handling this product. Do not eat, drink, smoke or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Reconstitute in a well-ventilated location. Remove contaminated clothing promptly.

Storage and Handling Practices: Containers of this product must be properly labeled. Store containers in a cool, dry location. Keep container tightly closed when not in use. Store away from strong acids or oxidizers.

*** SECTION 8 –

*** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ***

Exposure Limits/Guidelines:

Chemical	CAS#	ACGIH/TWA	OSHA/TWA	SWA
Sodium bicarbonate	144-55-8	10 mg/m ³ total dust	15 mg/m ³ total dust	10 mg/m ³ total dust
Sodium Tripolyphosphate	7758-29-4	10 mg/m ³ total dust	15 mg/m ³ total dust	10 mg/m ³ total dust
Sodium (C-10 - C16) Alkylbenzene sulfonate	68081-81-2	10 mg/m ³ total dust	15 mg/m ³ total dust	10 mg/m ³ total dust
Sodium Carbonate	497-19-8	10 mg/m ³ total dust	15 mg/m ³ total dust	10 mg/m ³ total dust

Currently, international exposure limits are not established for the components of this product. Please check with competent authorities in your area for recent limits in place.

Ventilation and Engineering Controls: Use with adequate ventilations to ensure exposure levels are maintained below the limits outlined below. Ensure eyewash stations are available near where the product is to be reconstituted.

Respiratory Protection: Not required under normal conditions of use. Not necessary if room is well-ventilated.

Eye protection: Safety glasses

Protection of hands: Handle with gloves. Gloves must be impermeable and resistant to the product. Selection of glove material should be sufficient to prevent skin contact.

Body Protection: Protective work clothing (e.g. Lab coat, overalls or similar)

*** SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES ***

Physical State:	Solid
Appearance & Odor:	Powder: Color: White, no odor
Odor Threshold (PPM):	Not Available
Vapor Pressure (mmHg):	Not Applicable
Vapor Density (AIR = 1)	Not Applicable
By Weight:	Not Available
Evaporation Rate (nBuAc = 1)	Not Applicable
Boiling Point (C°)	Not Applicable
Freezing Point (C°)	Not Applicable
pH:	9.5 (1% aqueous solution)
Specific Gravity 20 °C: (Water = 1)	0.85 - 1.10
Solubility in Water (%)	>10% w/w
Coefficient of Water/Oil Dist.:	Not Available
VOC:	None
Chemical Family:	Detergent

*** SECTION 10 – STABILITY AND REACTIVITY ***

Stability: Product is stable

Decomposition Products: When heated to decomposition this product produces Oxides of carbon (COx), Hydrocarbons

*** SECTION 11 – TOXICOLOGICAL INFORMATION ***

Toxicity Data: Toxicity data is available for mixture:

CAS #497-19-8 LD50 Oral (Rat)	4090 mg/kg
CAS #497-19-8 LD50 Oral (Mouse)	6600 mg/kg
CAS #497-19-8 LC50 Inhalation (Rat)	2300 mg/m ³ 2H
CAS #497-19-8 LC50 Inhalation (Mouse)	1200 mg/m ³ 2H
CAS #497-19-8 LD50 Oral (Rat)	4900 mg/kg

Suspected Cancer Agent: Non the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore it is not considered to be nor suspected to b3 a cancer-causing agent.

Irritation: Contact with this product can be irritating to exposed skin, eyes and respiratory system.

Sensitization of Product: This product is not considered a sensitizer.

Reproductive Toxicity Information: No information concerning the effects of this product and its components on the human reproductive system.

*** SECTION 12 - ECOLOGICAL INFORMATION ***

All work practices must be aimed at minimizing environmental contamination: Do not allow undiluted produce or large quantities of it to reach ground water, water course or sewage system

Environmental Stability: No Data available at this time

Effect of Material on Plants or Animals: No evidence is currently available on this product's effect on plants or animals

Effect of Aquatic Life: No evidence is currently available on this product's effect on aquatic life

*** SECTION 13 – DISPOSAL CONSIDERATIONS ***

Preparing Wastes for Disposal: Waste disposal must be in accordance with appropriate Federal, State and local regulations.

Recommendation:

Smaller quantities can be disposed of as "household waste"

Can be disposed of with regular garbage after consulting with the waste disposal facility operator and pertinent authorities and adhering to the necessary technical regulations

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

The surfactant used in this product complies with the biodegradability criteria as outlined by Regulation (EC) No. 648/2004 regarding detergents. Data to support this claim are available upon direct request.

*** SECTION 14 – TRANSPORT INFORMATION ***

US DOT; IATA; IMO; ADR:

This product is not hazardous as defined by 49 CFR 172.101 by the U.S. Department of Transportation.

Proper Shipping Name: Non-Regulated Material

Hazard Class Number and Description: Not Applicable

UN Identification Number: Not Applicable

Packing Group: Not Applicable

DOT Label(s) Required: Not Applicable

North American Emergency Response Guidebook Number (2004): Not Applicable

Marine Pollutant: Non of the ingredients are classified by the DOT as a Marine Pollutant as defined by 49 CFR 172.01, Appendix B

U.S. Department of Transportation (DOT) Shipping Regulations: Not Classified as Dangerous

Transport Canada, Transportation of Dangerous Goods Regulation: Not Classified as Dangerous

International Air Transport Association (IATA): Not Classified as Dangerous

International Maritime Organization (IMO) Designation: Not Classified as Dangerous

European Agreement Concerning the International Carriage of Dangerous Goods by Road

(ADR): Not Classified as Dangerous

*** SECTION 15 – REGULATORY INFORMATION ***

United States (USA):

SARA Reporting Requirements: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the SuperFund Amendments and Reauthorization Act. as follows:
None

TSCA (Toxic Substances Control Act): All components are listed

U.S. SARA Threshold Planning Quantity: No specific Threshold Planning Quantities for this product for standard recommended quantities and use

U.S. CERCLA Reportable Quantity (RQ): None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (Proposition 65):

None of the ingredients are on the CA Proposition 65 lists

Carcinogenic Categories:

EPA (Environmental Protection Agency): None

TLV (Threshold Limit Value established by ACGIH): None

NIOSH-Ca (National Inst. for Occupational Safety & Health): None

OSHA-Ca (Occupational Safety & Health Admin.): None

Canada:

Canadian Domestic Substances List (DSL): All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%): None

Canadian Ingredient Disclosure list (limit 1%):

497-19-8 Sodium Carbonate

7758-29-4 Sodium tripolyphosphate

Other countries: Specific information is available upon request.

*** SECTION 16 – OTHER INFORMATION ***

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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