

MATERIAL SAFETY DATA SHEET

The CLEAN ENVIRONMENT Company, Inc.
PO Box 4444
Lincoln, Nebraska 68504 USA
Phone (402) 464-0988

1-15-99

HAZARD RATINGS (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Severe)

HEALTH = 1
FIRE = 0
REACTIVITY = 1
EQUIPMENT = 1

SECTION I - PRODUCT DESCRIPTION

PRODUCT NAME: **NATURAL POWDER CLEANSER**
PRODUCT CODE: **N-19**
GENERAL DESCRIPTION: Natural color-safe, non-abrasive bleaching cleanser
CHEMICAL NATURE: Oxidizer, Builder Blend

SECTION II - PRODUCT COMPOSITION (OSHA Listed Potentially Hazardous Ingredients)

Blend of Sodium Perborate, Calcium Carbonate, Boron Decahydrate, Sodium Citrate, Sodium Chloride
OSHA PEL/TWA Not Established.

SARA INFORMATION: No ingredient in title III listed. Hazards: Fire: Yes. Pressure: . Reactivity: Yes. Acute: Yes. Chronic: No

Physical Data: Mixture. Pure: Yes. Solid: Yes. Liquid: . Gas:

SECTION III - PHYSICAL PROPERTIES

BOILING RANGE: Decomposes above 266 Deg. F.
MELTING POINT: 185 Deg. F.
VAPOR PRESSURE AT 20C: (MM of HG) N/A
VAPOR DENSITY: (Air = 1) N/A
SOLUBILITY IN WATER: 30 g/Kg @ 77 Deg. F.
SOLUBILITY IN SOLVENT: Insoluble
EVAPORATION RATE: N/A
APPEARANCE: White crystalline solid
ODOR: Odorless
PH RANGE: Alkaline

SECTION IV - FIRE AND EXPLOSION DATA

LOWER FLAMMABILITY LIMITS: (% In Air) Not pertinent
FLASH POINT: (And Method) Not pertinent
FLAMMABILITY CLASSIFICATION: Not Flammable
UNUSUAL FIRE/EXPLOSION HAZARDS: Decomposes with liberation of heat and oxygen which may intensify fire in combustible surroundings.

RECOMMENDED EXTINGUISHING MEDIA: Water, water fog may be used for fires in which this product is involved.

SPECIAL FIRE FIGHTING PROCEDURES: This product contains an oxidizer. DO NOT enter any enclosed or confined fire space without proper protective equipment such as self-contained breathing apparatus. Product decomposes with liberation of heat and oxygen which may intensify fire in combustible surroundings.

SECTION V - HEALTH INFORMATION

THRESHOLD LIMIT VALUE: Estimated TWA in 8 hours at 5mg/m(3).

EFFECTS OF EXPOSURE: (Listed by primary routes of entry)

Eyes: Extremely irritating. Direct eye contact may cause irreversible eye damage, including blindness. Corrosive to unwashed eyes. Washing with water shortly after exposure may significantly decrease the primary irritation.
Skin: Minimally irritating. Not a skin sensitizer. Toxic effects from short exposures by skin contact may include non-specific effects such as weight loss and irritation.

Inhalation: Causes severe irritation of the nasal passages and lungs, that usually subsides after exposure ceases.

Ingestion: Slightly hazardous to adults. May be fatal to small children. May be irritating to gums, mucous membranes and other structures of the oral cavity. The same hazards for inhalation and skin contact apply to ingestion.

OTHER EFFECTS OF OVER EXPOSURE: (TO PHYSICIAN) May be irritating to eyes and mucous membranes.

Endoscopy to access possible corrosive effects to the esophagus may be indicated.

Decomposition products may include peroxide (irritant) and borate. Systemic effects are unlikely, but would be those of boric acid for which treatment is symptomatic and includes decontamination, support of circulation,

correction of fluid electrolyte disturbances, control of convulsions and protection of kidneys if large borate loads are encountered.

Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

(CONTINUED ON NEXT PAGE)

POWDER CLEANSER

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart to ensure flushing of entire eye surface. DO NOT rub eyes. Get medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash with soap and water until skin is free of alkali, as indicated by disappearance of soapiness. If irritation persists get medical attention. Wash clothing and footwear before reuse.

INHALATION: Remove to fresh air. Get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Drink large quantities of water or activated charcoal slurry. Call a physician. Never give anything to a drowsy or unconscious person. NOTE*: To prepare activated charcoal slurry, suspend 50 grams of activated charcoal in 400 ml of water in a bottle and shake well.

SECTION VI - REACTIVITY DATA

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Avoid heat, reducing agents, moisture, heavy metal, salts & combustible organic materials.

INCOMPATIBILITY WITH OTHER MATERIALS: Heat, reducing agents, moisture, heavy metals, salts & combustible materials.

HAZARDOUS DECOMPOSITION MATERIALS: Hydrogen peroxide, oxygen which supports combustion.

Decomposition can occur gradually, releasing controlled amounts of oxygen; not considered hazardous under foreseeable circumstances.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VII - SPILL/LEAK PROCEDURES

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED: Sweep up material into approved DOT container then dilute with large quantity of water.

WASTE DISPOSAL PROCEDURES: Dispose of at an approved facility in accordance with applicable federal, state, and local regulations. If approved, may be removed to land disposal area or flushed into sewer into waste treatment plant. Large spills may be neutralized with sulfuric acid or sodium bisulfate.

AQUATIC TOXICITY: This product is slightly toxic/96hr LC(50) = 150-1,500 mg.

RCRA: If disposed of as shipped this material is a RCRA ignitable waste having a waste ID No. D001 (40 CFR 262.21)

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved dust mask if 15mg/m(3) limitation is exceeded.

LOCAL EXHAUST: Work in well ventilated area or local exhaust ventilation where excessive airborne dust is expected.

PROTECTIVE GLOVES AND CLOTHING: Wear general purpose non-absorbent gloves. Wear clothing designed to minimize exposure.

EYE PROTECTION: Chemical type goggles and face mask should be worn whenever airborne dust is expected.

OTHER PROTECTIVE EQUIPMENT: As determined by or recommended by federal state or local regulations.

SECTION IX - ADDITIONAL PRECAUTIONS

STORAGE: Keep well closed in a cool, dry place. Use only dry, clean utensils in handling. Avoid contamination to prevent loss of active oxygen. Do not store with heavy metal salts or combustible organic matter.

SAFETY PRECAUTIONS: Avoid breathing dust. Avoid contact with skin. Wash thoroughly after handling, before eating, before drinking, before smoking and before using toilet facilities. Safety shower, eye bath and washing facilities should be available when handling large quantities.

SECTION X - D.O.T. SHIPPING INFORMATION

Proper Shipping Name:	Oxidizer Material N.O.S.
Hazard Class:	Oxidizer
ID Number:	UN1479
Label Requirements:	Oxidizer
Reportable Quantity:	None

The information herein is presented in good faith and believed to be correct as of the date hereof. However, Clean Environment makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representation or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder.

Clean Environment shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or the use of or reliance upon information contained herein.