

## MATERIAL SAFETY DATA SHEET

## ENERGIZER

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## SECTION I: PRODUCT INFORMATION

TRADE NAME: **ENERGIZER**

SUPPLIER/MANUFACTURER: Chemspec-Hunnisett, 1260 Lakeshore Rd. E., Mississauga, Ont., L5E 3B8 (416) 421-5212

PREPARATION DATE: April 1, 2008

PRODUCT USE: Detergent Booster

PRODUCT IDENTITY: Inorganic Peroxide

**CLASS C**

## SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY: Sodium Carbonate Peroxyhydrate CAS# / NA# / UN#: 15630-89-4 CONC. (W/W): 60 - 100 %  
 OSHA PEL, ACGIH TLV: 5 mg / cubic meter respirable TOXICITY (LD50 & LC50): Not available

## SECTION III: PHYSICAL DATA

PHYSICAL STATE: Powder APPEARANCE AND ODOR: White free flowing, odor free  
 ODOR THRESHOLD: None SPECIFIC GRAVITY: 1.15  
 VAPOR PRESSURE: Not applicable VAPOR DENSITY: Not applicable  
 EVAPORATION RATE: Not applicable BOILING POINT: Not applicable  
 FREEZING POINT: Not applicable pH: Not determined  
 COEFFICIENT OF WATER/OIL DISTRIBUTION: Not applicable WATER SOLUBILITY: 14% by weight

## SECTION IV: FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY:

(a) Not flammable

MEANS OF EXTINCTION: Not combustible

FLASHPOINT &amp; METHOD OF DETERMINATION: Not applicable

UPPER FLAMMABLE LIMIT: Not applicable

LOWER FLAMMABLE LIMIT: Not applicable

AUTO-IGNITION TEMPERATURE: Not applicable

HAZARDOUS COMBUSTION PRODUCTS: Will liberate heat and oxygen when wetted

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: Not sensitive

EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE: Not sensitive

## SECTION V: REACTIVITY DATA

CONDITION UNDER WHICH THE PRODUCT IS CHEMICALLY UNSTABLE: Prolonged contact with organics, heavy ions, small amount H<sub>2</sub>O

NAME OF ANY SUBSTANCE OR CLASS OF

SUBSTANCE WITH WHICH THE PRODUCT IS INCOMPATIBLE: Acids, reducing agents, bleach.

CONDITIONS OF REACTIVITY: Not determined

HAZARDOUS DECOMPOSITION PRODUCTS: Gives off heat and oxygen

## SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

SKIN CONTACT: Irritant

SKIN ABSORPTION: Irritant

EYE CONTACT: Irritant

INHALATION: May be irritating

INGESTION: May cause nausea

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Not known

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Not known

EXPOSURE LIMITS: Not determined

IRRITANCY OF PRODUCT: Irritancy high with prolonged inhalation

SENSITIZATION TO PRODUCT: Not known

CARCINOGENITY: Not known

REPRODUCTIVE TOXICITY: Not known

TERATOGENICITY: Not known

MUTAGENICITY: Not known

NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known

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### SECTION VII: PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Dust mask, safety glasses, rubber gloves  
ENGINEERING CONTROLS: Use ventilation to control dust  
PROCEDURES TO BE FOLLOWED IN CASE OF A LEAK OR SPILL: Sweep up  
WASTE DISPOSAL: According to Provincial & Municipal regulations  
HANDLING PROCEDURES AND EQUIPMENT: Normal  
STORAGE REQUIREMENTS: Keep dry  
SPECIAL SHIPPING INFORMATION: Oxidizing Solid, N.O.S., Sodium Percarbonate Class 5.1 UN 1479 Packing Group III

### SECTION VIII: FIRST AID MEASURES

IN CASE OF EYE CONTACT: Flush with water. Consult physician.  
IN CASE OF SKIN CONTACT: Flush with water.  
IF INHALED: Remove to fresh air. If symptoms persist seek medical attention.  
IF INGESTED: Obtain medical attention. Dilute with water.  
PHYSICIAN: When wet, this material liberates hydrogen peroxide.

### SECTION IX: PREPARATION INFORMATION

PREPARED BY: E. Vismantas (416) 421-5212  
24 HOUR EMERGENCY NUMBER: CANUTEC 1-613-996-6666

### SPECIAL PRECAUTIONS

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human - system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

### DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the condition or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all expressed or implied warranties of merchantability or of liability from the use of this product. The information contained herein, as of this date, is believed to be true and accurate, but it is the user's obligation to study the MSDS and determine the conditions for the safe use of this product.