

**MATERIAL SAFETY DATA SHEET**

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HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, SPECIAL = NONE, DEGREE OF HAZARD: 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT

PRODUCT NAME: **ENERGIZER**

DOCUMENT CODE: Energizer

CHEMICAL FAMILY: Percarbonate

DATE REVIEWED: 08/17/99

**EMERGENCY 24-HOUR TELEPHONE # 1-800-424-9300 (CHEMTREC)**

N/A = Not applicable

N/D = Not determined

**SECTION I: HAZARDOUS INGREDIENTS/HEALTH HAZARD DATA**

This product has not been tested as a whole for health effects on animals or humans. According to the OSHA Hazardous Communications Standard (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS.

**SECTION I (a): List of carcinogenic ingredients at >0.1%.**

None.

**SECTION I (b): List of hazardous ingredients at >1.0%.**

NAME	CAS NO.
<b>SODIUM CARBONATE PEROXYHYDRATE</b>	<b>15630-89-4</b>

May cause eye, skin, mucous membrane and respiratory irritation. Oral rat LD50 is 2000 mg/kg; rat LC50 is 4.58 mg/l. OSHA PEL is 15 mg/m<sup>3</sup> (total dust) and 5 mg/m<sup>3</sup> (respirable dust). This material is an oxidizer. Keep away from reducing agents.

**SECTION II: EMERGENCY AND FIRST AID PROCEDURES**

EYES: Flush with water for at least 15 minutes. Consult physician.  
SKIN: Remove contaminated clothing. Wash exposed area with soap and water.  
INHALED: Remove to fresh air. If symptoms persist consult physician.  
INGESTION: Drink at least 2 glasses of water. Seek medical attention.  
PHYSICIAN: Treatment based on judgment of attending physician.

**SECTION III: PHYSICAL / CHEMICAL DATA**

APPEARANCE AND ODOR: White free flowing powder odorless. WATER SOLUBILITY, % BY WT: Approx. 14  
LOOSE BULK DENSITY: 1.05 g/cc %VOLATILE BY WT: negligible  
pH of a 1% solution: 10.0 - 11.0

**SECTION IV: FIRE AND EXPLOSION DATA**

FLASH POINT: N/A AUTO-IGNITION TEMPERATURE: N/D  
EXPLOSIVE LIMITS - LEL: N/D UEL: N/D  
EXTINGUISHING MEDIA: Foam, CO<sub>2</sub>, water fog or dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive-pressure breathing apparatus and protective clothing where this material is involved in a fire.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Material may release oxygen and accelerate the burning rates of other combustible materials. Damp material may ignite combustible materials (i.e. wood, paper, etc.)

**SECTION V: REACTIVITY DATA**

STABILITY: Stable when dry  
HAZARDOUS POLYMERIZATION: Will not occur.  
INCOMPATIBILITY: Moisture, metallic salts, combustible material, heavy metals, excessive heat, acids and reducing agents.  
HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly oxygen and heat.

**SECTION VI: SPILLS, LEAKS AND DISPOSAL PROCEDURES**

WASTE DISPOSAL: In accordance with Federal, State and Local regulations.  
NEUTRALIZING CHEMICALS: N/D

**SECTION VII: PROTECTION MEASURES**

VENTILATION: Use in well-ventilated area. EYE PROTECTION: Chemical resistant safety glasses.  
RESPIRATORY PROTECTION: Use NIOSH/MSHA approved dust mask when airborne dust is anticipated.  
GLOVES: Rubber gloves. OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn.

**SECTION VIII: 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 conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.