

Ryan Cobian

BH Electronics

6/21/2006



# TECHNIC, INC.

## MATERIAL SAFETY DATA SHEET

## SECTION I

## PRODUCT IDENTIFICATION

TRADE NAME (as labeled):

TECHNIC ACTIVATING SALTS CU 85

CHEMICAL NAMES, COMMON NAMES:

Potassium Peroxymonosulfate

MANUFACTURER'S NAME &amp; ADDRESS:

TECHNIC, INC.

NAME OF PREPARER: WILLIAM A. WILSON

1 SPECTACLE STREET

CRANSTON, RI 02910

DATE PREPARED: September 11, 1997

EMERGENCY PHONE: (401)781-6100

24 hour Emergency: Chem Trec 1-800-424-9300

## SECTION II

## HAZARDOUS INGREDIENTS

## CHEMICAL NAMES

## CAS NUMBER

## PERCENT

## EXPOSURE LIMITS

Potassium Peroxymonosulfate  
 $H_2O_5S \cdot K$ 

10058-23-8

&gt; 95%

TLV = Not established.

The material contained in this product consists of materials that are not considered hazardous.  
This material is not regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR, Part 372.  
This material contains no ingredients listed on the California Proposition 65 list.  
All ingredients are listed in the TSCA Inventory.  
For purposes of the New Jersey Right To Know Law, the contents are partially unknown.

## SECTION III

## PHYSICAL PROPERTIES

VAPOR DENSITY (AIR=1)

N.A.

SPECIFIC GRAVITY:

1.1 - 1.4

VAPOR PRESSURE (mm Hg)

N.A.

MELTING POINT (degrees F)

Decomposes

EVAPORATION RATE (BUTYL ACETATE=1)

N.A.

BOILING POINT (degrees F)

N.A.

SOLUBILITY IN WATER:

25.6% by wt. at 68° F

pH = (1% solution) 2.3

(3% solution) 2.0

APPEARANCE AND ODOR:

Granular, free-flowing white solid; odorless.

## SECTION IV.

## FIRE AND EXPLOSION

FLASH POINT (°F) (METHOD USED):

N.A. (Does not burn.)

AUTOIGNITION TEMPERATURE, F.

N.A.

FLAMMABLE LIMITS IN AIR, VOLUME %:

LOWER LIMIT

N.A.

UPPER LIMIT

N.A.

FIRE EXTINGUISHING MATERIALS:

☒ WATER SPRAY  
☐ FOAM☐ CARBON DIOXIDE  
☐ DRY CHEMICAL

OTHER:

SPECIAL FIREFIGHTING PROCEDURES:

None.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Storage of large amounts can trap heat and lead to combustion of combustible materials. Grinding or intensive mixing may cause ignition of oxidizable materials present.

Oral LD50 : 2250-9500 mg/kg in rats.

SPACE IS NEEDED: \_\_\_\_\_

CHRONIC: Strong eye and skin irritant.

FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: Flush with water (under lids) for 15 minutes or longer. Call physician.  
SKIN CONTACT: Flush with copious amounts of water. Remove contaminated clothing. Call physician.

INHALED: Remove from contaminated atmosphere. If symptoms of respiratory discomforts  
SWALLOWED: Do not induce vomiting. Give large amounts of water to dilute the stomach contents if conscious. Keep warm, maintain respiration, and call physician immediately.  
A gastric tube may have to be inserted to prevent increased pressure from rapid evolution of oxygen.

SUSPECTED CANCER AGENT? ☒ NO ☐ YES

SECTION VI \_\_\_\_\_ REACTIVITY DATA \_\_\_\_\_

STABILITY: ☒ STABLE ☐ UNSTABLE

CONDITIONS TO AVOID: Unstable with heat and alkaline conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): The mixture of Activating 85 salts with compounds containing halides or active halogens can cause release of the respective halogen if moisture is present. For example, mixture with Sodium Dichloroisocyanuride or Sodium Chloride can cause release of chlorine gas; mixture with cyanides can cause release of hydrogen cyanide gas; and heavy metals, such as cobalt, nickel, copper and manganese ions, cause the evolution of oxygen gas.

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS): Releases oxygen gas.

HAZARDOUS POLYMERIZATION: ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID: Heat and open flames.