

**MATERIAL SAFETY DATA SHEET**

DATE OF ISSUE: June 6, 2005

**SECTION I- GENERAL INFORMATION****MANUFACTURER NAME: BakerCorp 310.303.3700**  
**4306 West 190<sup>th</sup> Street, Torrance, CA 90504**

CAS NUMBER: None

FORMULA:  $\text{KMnO}_4$ +HYDRATED ZEOLITE(CLINOPTILOLITE)TRADE NAMES & SYNONYMS: **KMN****SECTION II- HAZARDOUS INGREDIENTS**

This product is composed of a hydrated Zeolite (Clinoptilolite, CAS # 12173-10-3)(80%) and Potassium Permanganate (CAS # 7722-64-7)(6-8%). There are no established PEL, TWA, or TLV values for this material. Potassium Permanganate has an OSHA PEL of 5 mg (Mn)/M3 of air and an ACGIH TLV of 5 mg (Mn)/M3. This product has no carcinogenic properties.

**SECTION III- PHYSICAL DATA**

DESCRIPTION: Purple granules, odorless

VAPOR PRESSURE: N/A

APPARENT DENSITY: .96g/cc (60lbs/ft<sup>3</sup>)

FLASH POINT: N/A STABILITY: Stable

SOLUBILITY: Zeolite is not soluble,  $\text{KMnO}_4$  is.

INCOMPATIBILITY: Strong acids and oxidizable matter

CONDITIONS TO AVOID: Avoid exposure to water

**SECTION IV- FIRE HAZARD & EXPLOSIVE DATA**

FLASH POINT: Noncombustible

EXTINGUISHING MEDIA: N/A

SPECIAL PRECAUTIONS: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: In contact with hydrochloric acid, toxic chlorine gas will evolve.

**SECTION V- HEALTH HAZARD DATA**

ROUTE(S) OF ENTRY: This product is nontoxic through ingestion, skin absorption and inhalation. It may be irritating to body tissue on contact. The physical nature of this product may irritate the respiratory system and may produce eye irritation. May stain body tissue. May irritate/aggravate open wounds, burns and mucous membranes. Prolonged exposure to manganese compounds above threshold limit may cause lung irritation and central nervous system disorders.

FIRST AID: SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION, AND

SUPPORT IF NECESSARY: In case of eye contact-flush with water for at least 15 minutes. Contact a doctor immediately. In case of inhalation-the person should be removed from risk area. In case of ingestion-drink several glasses of water or milk. Seek medical attention. In case of skin contact-flush with soap and water.

## **SECTION VI- REACTIVITY DATA**

STABLE: This product is considered stable.

CONDITIONS TO AVOID: Protect containers against puncture and physical damage. Keep in a dry area. Avoid exposure to water.

HAZARDOUS POLYMERIZATION: Will not occur with this product.

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## **SECTION VII- SPILL OR LEAK PROCEDURES**

IF MATERIAL IS RELEASED OR SPILLED: Unused product should be swept up and discarded or repackaged.

WASTE DISPOSAL METHOD: Reduce KMnO<sub>4</sub> with hypo (10% sodium thiosulfate) solution and deposit in a permitted landfill.

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## **SECTION VIII-HANDLING AND STORAGE**

EYE PROTECTION : Safety glasses or goggles recommended.

PROTECTIVE GLOVES: Rubber or plastic gloves recommended.

OTHER PROTECTIVE CLOTHING: Regular work clothing.

RESPIRATORY PROTECTION: Treat as a low level nuisance dust, use NIOSH/MSA #TC-21C-132.

VENTILATION: Mechanical (general) ventilation is recommended.

WORK/HYGENIC PRACTICES: Wash thoroughly after handling. Wash contaminated clothing.

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## **SECTION IX- SPECIAL PRECAUTIONS**

OTHER: Avoid exposure to water and contaminated air during storage, as this may render the media useless. Protect container from puncture and physical damage. Store in a dry area.

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## **SECTION X- TRANSPORTATION DATA**

D.O.T SHIPPING NAME: Natural Zeolite, Clinoptilolite.

NOTICE: CEI-KMn contains manganese compounds as part of the mixture and is subject to the reporting requirements of Section 313 of Title III Superfund Amendments And Reauthorization Act of 1986 and 40 CFR Part 372. ID NUMBER: Not regulated by D.O.T.

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