



**SECTION 1 - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION**

**Product name :** EXTEND-A-LIFE and PRODUCE SAVER **Effective date :** 01/01/2008 **Code No. :** 2530.90.0060  
**CAS Number :** 7722-64-7  
**Prepared by :** Dave Webster  
**Manufacturer :**  
**Supplier :**  
 K.I.N.G. Nutrients Global inc.  
 865-A blvd. Monseigneur Langlois, Valleyfield, Quebec, J6S 1B8  
 Tel : 1.800.663.3429 Fax : 450.373.3518  
**EMERGENCY PHONE : CANUTEC 613.996.6666**

**SECTION 2 - MATERIAL IDENTIFICATION AND INFORMATION**

Components—Chemical Name & Common Name Hazardous Components 1% or greater, Carcinogens 0,1% or greater	%	OSHA PEL	ACGIH TLV	Other limits recommended
<b>1. Potassium permanganate (KMnO<sub>4</sub>)</b> CAS# 7722-64-7	6-8%	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	None
<b>Non-hazardous Ingredients</b>				
<b>2.Molecular sieve/moisture</b>	92-94%			
<b>TOTAL</b>	100%			

**SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling point :</b>	Not available	<b>Specific Gravity (H<sub>2</sub>O=1) :</b>	Density 58-62#/ft <sup>3</sup>
<b>Vapour Pressure :</b>	Not available	<b>Vapor Density :</b>	Not available
<b>Solubility in Water :</b>	KMnO <sub>4</sub> / yes, molecular sieve-no	<b>Water Reactive :</b>	Not available
<b>Melting Point :</b>	Not available	<b>Evaporation Rate :</b>	Not available
<b>Appearance and Odor :</b>	Purple granules, odourless.		

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

<b>Flammability Limits in Air % :</b>	Not available	<b>LEL :</b>	Not available
<b>Flash Points :</b>	Not available	<b>UEL :</b>	Not available
<b>Flammable Limits :</b>	Not available	<b>Extinguisher Media :</b>	Not available
<b>Unusual Fire and Explosion Hazards :</b>		<b>Special Fire Hazards :</b>	None
<b>Hazards :</b>	None	<b>Auto-Ignition Temperature :</b>	Not available

**SECTION 5 - REACTIVITY HAZARD DATA**

<b>Stability :</b>	Conditions To Avoid : Protect containers againsts puncture and physical damage, keep in dry area, avoid exposure to water		
<b>Incomptability :</b>	None		
<b>Hazardous Decomposition Products :</b>	None		
<b>Hazardous Polymerization :</b>	May occur. Will not occur		

## SECTION 6 - HEALTH HAZARD DATA

<b>Primary Routes of Entry :</b>	Inhalation, Ingestion, Skin absorption, Not Hazardous
<b>Carcinogen Listed In :</b>	NTP, OSHA, IARC Monograph, Not listed
<b>Health Hazards :</b>	Acute : May be irritating to body tissue upon contact Chronic : None
<b>Sign of symptoms of exposure :</b>	May stain body tissue
<b>Medical conditions Generally</b>	
<b>Aggravated by exposure :</b>	Open wounds, burns and mucous membranes.

### **EMERGENCY FIRST AID PROCEDURES – Seek medical assistance for further treatment, observation and support if necessary**

<b>Eye Contact :</b>	Immediately flush with large amounts of water for 15 minutes
<b>Skin contact :</b>	Immediately flush with soap and water
<b>Inhalation :</b>	Leave contaminated area
<b>Ingestion :</b>	Drink several glasses of water or milk. Seek medical attention

## SECTION 7 - CONTROL AND PROTECTIVE MEASURES

<b>Gloves :</b>	Rubber or plastic gloves
<b>Eye Protection :</b>	Safety Glasses
<b>Respiratory Protection :</b>	Treat as low level nuisance dust, use NIOSH/MSA #TC-21C-132
<b>Other Protective Equipment</b>	
<b>clothing and equipment :</b>	Regular work clothing
<b>Ventilation to be used :</b>	Local exhaust / Mechanical / Special / Other
<b>Hygienic Work Practice :</b>	Wash hands before eating. Wash contaminated clothing.

## SECTION 8 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

<b>Steps to be taken is material is spilled or released :</b>	Sweep up granules and dispose of in accordance with local, state and federal regulations.
<b>Waste Disposal Methods :</b>	Reduce potassium permanganate with hypo (10% sodium thiosulfate) solution and deposit in permitted landfill
<b>Precautions to be taken in handling and storage :</b>	Protect containers against physical damage. Store in a cool dry area in closed containers
<b>Other Precautions and/or Special Hazards :</b>	Avoid exposure to water and contaminated air, otherwise the media is rendered useless.