

# MATERIAL SAFETY DATA SHEET

## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.  
Address : 690 Montrose Avenue  
So. Plainfield, NJ 07080  
Emergency Telephone # : (908) 757-0033  
Facsimile Number : (908) 757-0905  
Trade Name : **BHG TM-11S2**  
Chemical Name/ Synonyms : Chromium Hydroxide Green (and) Triethoxy Caprylylsilane

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	EINECS #
Chromium hydroxide Green	12001-99-9	-----
Triethoxy Caprylylsilane	2943-75-1	220-941-2

## SECTION 3: HAZARD IDENTIFICATION

No particular danger

## SECTION 4: FIRST AID MEASURES

### Effects and Symptoms:

Effects of Overexposure: May cause mechanical irritation to eyes.  
Medical Conditions Aggravated by Exposure: Persons with respiratory conditions maybe at increased risk.  
Primary Route(s) of Entry: Inhalation, Ingestion and eyes.

### Emergency First Aid:

Eye Contact: Flush eyes with water for at least 15 min. See physician if irritation persists.  
Skin Contact: Flush skin with soap and water for at least 15 min.  
Inhalation: Remove to fresh air. If breathing is difficult give oxygen. See physician.  
Ingestion: None needed for small amounts. For large amounts, if conscious, give water and call physician. Do not induce vomiting.

## SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : Non-flammable  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Water, Dry Chemical, Foam, CO<sub>2</sub>  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.  
Unusual Fire And Explosion Hazards: Can burn in fire, releasing toxic vapors. Unusual fire or explosion hazards are not expected.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Eye contact and inhalation.  
Environmental Precautions: : Prevent material from contaminating soil or entering sewerage and drainage systems.  
Spill response : Use appropriate NIOHS/MSHA approved respirator. Wear chemical gloves, goggles, and lab coat.  
Carefully contain spilled material. Deposit spilled material in appropriate waste container. Wash spill area with soap and water.

## SECTION 7: HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes. Follow all MSDS and label precautions even after container is emptied since it may contain residual material.  
Storage : Store containers closed in ambient location.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels: OSHA ACGIH  
Component TWA PEL TWA TLV  
Chromium 0.5 mg/m<sup>3</sup>

**BHG TM-11S2**

**Personal Protection:**

Eye Protection : Safety glasses with side shields or goggles  
 Skin Protection : Rubber gloves, wash at meals and end of shifts  
 Respiratory Protection : Use NIOSH/MSHA approved air-purifying respirator as needed to control exposure.  
 Ventilation : Provide adequate general mechanical exhaust.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point (°C)	: N/A	Percent Volatile By Vol. (%)	: N/A
Freezing Point (°C)	: N/A	Vapor Density (Air=1)	: N/A
Melting Point (°C)	: > 1000	Evaporation Rate (Buac=1)	: N/A
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: Insoluble
Bulk Density (g/cbi.)	: N/A	Appearance & Odor	: Fine green powder with slight waxy odor.

**SECTION 10: STABILITY AND REACTIVITY**

Stable: Yes  
 Hazardous Polymerization : Will not occur  
 Conditions To Avoid : Open flames and sparks, extreme heat, oxidizing materials  
 Incompatibility : Oxidizing materials and strong caustic materials can cause a reaction.  
 Hazardous Decomposition Products : Incomplete combustion can form CO, CO2, and dense smoke

**SECTION 11: TOXICOLOGICAL INFORMATION**

No data

**SECTION 12: ECOLOGICAL INFORMATION**

No data.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Method of Disposal : Dispose of in accordance with all applicable federal, state, and local regulations. Material may be sent to an approved landfill or licensed treatment, storage, and disposal facility.

**SECTION 14: TRANSPORT INFORMATION**

Not regulated as hazardous material.

**SECTION 15: REGULATORY INFORMATION**

Not available

**SECTION 16: OTHER INFORMATION**

HMS Ratings : Health – 0 Flammability –0 Reactivity - 0  
 Ratings Key : 4= Highest hazard 0= Lowest hazard

Date Prepared : 11/27/2001  
 Date Revised : 1/10/03

**Note:** The statements made here are intended to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics. This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our current knowledge.