

## Material Safety Data Sheet Chrome Part A

### SECTION 1

Manufactured for..... The Easthill Group dba/ The Eastwood Company  
 Address:..... 263 Shoemaker Road  
 City, State, and Zip:.....Pottstown, PA 19464  
 Date Prepared:..... 7/2004  
 24 Hour Emergency Number:- CHEMTREC.....(800)424-9300  
 Information Phone.....USA & Canada: 800-345-1178; Outside USA: 610-323-2200

### SECTION 2

**Hazard Rating:** Health 1, Flammability 0, Reactivity 0

(Scale: 4 –Extreme, 3-High, 2–Moderate, 1-Slight, 0-Insignificant)

**TSCA Status:** In TSCA inventory.

### Hazardous Ingredients

Formaldehyde: 1% (by weight)

OSHA PEL: 0.75ppm, 0.92mg/m<sup>3</sup>, 8 Hr. TWA, STEL 2ppm, 2.5mg/m<sup>3</sup>

ACGIH TLV: Ceiling: 0.3ppm, 0.37 mg/m<sup>3</sup>, AZ

CAS NO.: 50-0-0

Trade Secret < 3.5 % (by weight)

CAS NO.: Trade Secret

### SECTION 3

#### PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 221F

Specific Gravity (water=1): 1.28

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Solubility in Water: Complete

Reactivity in Water: None

Appearance and Odor: Clear yellow, viscous liquid - mild odor.

Melting Point: N/A

The above data are approximate or typical values and should not be used for precise design purposes.

### SECTION 4:

#### REACTIVITY DATA

Stability: Stable.

Conditions to Avoid: Excessive heat or cold..

Incompatibility (Materials to Avoid): Acids, Oxidizing materials. Formaldehyde reacts with Hydrochloric acid to form bis-chloromethyl ether, a potent carcinogen.

Hazardous Decomposition Products: May liberate Co or CO<sub>2</sub>. Occurs slowly at elevated temperatures, releasing formaldehyde gas..

Hazardous Polymerization: Non hazardous polymerization may occur at low temperatures, forming Para formaldehyde, a white solid.

Conditions to avoid: N/A

### SECTION 5

#### SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

Respiratory Protection (type): Approved by NIOSH/MSHA respirator with ammonia filter. Respirator must be used when exposure limits are exceeded.

Ventilation: Local exhaust-Mechanical, General.

Protective Gloves: Rubber or Neoprene.

Eye protection: Chemical safety goggles or face shield.

Other Protective Clothing or Equipment: Rubber apron or protective coveralls.

Work/Hygienic Practices: Wash after handling-have shower and eye bath available.

The OSHA Action Level for formaldehyde is 0.5 ppm 8-hour TWA. If this or the OSHA STEL is exceeded, appropriate respiratory protection specified in Table I of 29 CFR 1910.1048 (g) must be worn. Wear self contained breathing apparatus and chemical proof suit for entry into areas where concentrations exceed 75 ppm and for emergency re-entry into areas of unknown concentrations.

## **SECTION 6 HEALTH HAZARDS**

Acute:

Chronic: N/A

Signs and Symptoms of Exposure and Medical Conditions Generally Aggravated by Exposure: Inhalation:

Harmful - causes general tissue damage. Eyes: Causes eye burns and can cause permanent eye damage. Skin: Causes general tissue damage and allergic reaction. Ingestion: swallowing 50 gm or more daily may cause laxative effect. However, effects from single doses of aqueous formaldehyde solutions include severe irritation of mucosal surfaces. Repeated doses produced decreased body weight in rats. Tests in some animals demonstrated carcinogenic activity. Formaldehyde shows mutagenic activity in bacterial and mammalian cell culture test systems, but is generally negative in whole animal systems.

Chemical Listed as Carcinogen or Potential Carcinogen: Formaldehyde- Potential Cancer Hazard

National Toxicology Program: Yes

I.A.R.C. Monographs: Yes

OSHA: Yes

Emergency and First Aid Procedures:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call Physician.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call Physician. Wash clothing before reuse.

Eye Contact: In case of eye contact, immediately flush skin with plenty of water for at least 30 minutes.

Ingestion: CALL A PHYSICIAN. If swallowed, give two glasses of water and induce vomiting. Following this, give activated charcoal slurry [To prepare activated charcoal slurry: suspend 50 grams of activated charcoal in 400 ml of water in a bottle and shake well. Give 5ml/Kg of body weight, or 350 ml for an average adult.]

## **SECTION 7 FIRE & EXPLOSION DATA**

Flash Point: >300 F Method Used: COC

Flammable Limits in Air % by Volume: LEL N/A; UEL N/A

Auto-Ignition Temperature: N/A

Extinguisher Media: Use water spray, dry chemical or CO2.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Use water spray to cool nearby containers and structures exposed to fire, and to also absorb escaping fumes.

Evacuate affected area. Stay upwind and avoid contact with smoke and fumes. If contact cannot be avoided, wear personal protective equipment including splash goggles and air mask with breathing air supply. Run off from fire control may cause pollution.

Unusual Fire and Explosive Hazards: none.

## **SECTION 8 SPECIAL PRECAUTIONS WITH SPILL AND LEAK PROCEDURES**

Precautions to be taken in Handling and Storage: Store in tightly sealed containers in cool dry area.

Other Precautions: None

Steps to be Taken in Case Material is Released or Spilled: Soak up solution, place in approved container. Note: Review Fire and Explosive Hazards before proceeding with clean up. Use appropriate Federal Protection Equipment during clean up.

Waste disposal Methods (Consult federal, state, and local regulations): Place products used in clean up in approved containers. Check with local authorities.

**SECTION 9  
HAZARDOUS CLASSIFICATIONS AND ADDITIONAL INFORMATION****Acute:** Yes    **Chronic:** Yes    **Fire:** No    **Reactivity:** No    **Pressure:** No**LISTS:**

Formaldehyde is listed under Extremely Hazardous Substance, CERCLA Hazardous Material, and Toxic Chemical.

**CANADIAN WHMIS Classification:** B-3, D-19, D-2A, D-2B

Review the OSHA Formaldehyde standard (29 CFR 1910.1048) for worker training, workplace monitoring and medical surveillance requirements. Formaldehyde (gas) is a chemical known to the state of California to cause cancer.

**SECTION 10****DISCLAIMER**

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