



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Elmer's Products, Inc.
1 Easton Oval
Columbus, OH 43219

Emergency Phone Number:
Poison Control Center
1-888-516-2502

For additional product information, access our website at www.elmers.com or call 1-888-435-6377. To place an order, call 1-800-848-9400.

SUBSTANCE: ELMER'S PLASTIC CEMENT

TRADE NAMES/SYNONYMS:

E1004

CREATION DATE: Oct 21 2006

REVISION DATE: Jun 12 2007

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: NON-HAZARDOUS SUBSTANCE

CAS NUMBER: Not assigned.

PERCENTAGE: >78

COMPONENT: SILICIC ACID HYDRATE

CAS NUMBER: 1343-98-2

PERCENTAGE: 5-10

COMPONENT: SILICA, AMORPHOUS, FUMED

CAS NUMBER: 112945-52-5

PERCENTAGE: 1-5

COMPONENT: METHYLATED BUTYLATED MELAMINE-FORMALDEHYDE RESIN - TRADE SECRET

CAS NUMBER: Not assigned.

PERCENTAGE: 1-2

COMPONENT: HYDROPHOBIC AMORPHOUS FUMED SILICA

CAS NUMBER: 68909-20-6

PERCENTAGE: 0.5-1.5

COMPONENT: DIBUTYLTIN OXIDE

CAS NUMBER: 818-08-6

PERCENTAGE: 0.5-1

COMPONENT: BIS(1,2,2,6,6,-PENTAMETHYL-4-PIPERIDYL)DECANEDIOATE

CAS NUMBER: 41556-26-7

PERCENTAGE: <1

COMPONENT: METHYL ALCOHOL

CAS NUMBER: 67-56-1

PERCENTAGE: <0.5

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=1 REACTIVITY=0

EMERGENCY OVERVIEW:

PHYSICAL FORM: paste

ODOR: sweet alcohol odor

MAJOR HEALTH HAZARDS: harmful on contact with the skin, harmful if swallowed, eye irritation, allergic reactions

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: mild irritation

LONG TERM EXPOSURE: no information on significant adverse effects

SKIN CONTACT:

SHORT TERM EXPOSURE: irritation, allergic reactions

LONG TERM EXPOSURE: no information on significant adverse effects

EYE CONTACT:

SHORT TERM EXPOSURE: irritation, eye damage

LONG TERM EXPOSURE: irritation

INGESTION:

SHORT TERM EXPOSURE: gastrointestinal irritation, nausea, digestive disorders

LONG TERM EXPOSURE: no information on significant adverse effects

4. FIRST AID MEASURES

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

SKIN CONTACT: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

INGESTION: If a large amount is swallowed, get medical attention.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Slight fire hazard.

EXTINGUISHING MEDIA: carbon dioxide, regular dry chemical, regular foam, water

FIRE FIGHTING: Move container from fire area if it can be done without risk. Avoid inhalation of material or

combustion by-products. Stay upwind and keep out of low areas.

FLASH POINT: >200 F (>93.3 C)

FLAMMABILITY CLASS (OSHA): IIIIB

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition or combustion products: aldehydes, acids, oxides of carbon, oxides of silicon

6. ACCIDENTAL RELEASE MEASURES

WATER RELEASE:

Subject to California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). Keep out of water supplies and sewers.

OCCUPATIONAL RELEASE:

Stop leak if possible without personal risk. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Notify Local Emergency Planning Committee and State Emergency Response Commission for release greater than or equal to RQ (U.S. SARA Section 304). If release occurs in the U.S. and is reportable under CERCLA Section 103, notify the National Response Center at (800)424-8802 (USA) or (202)426-2675 (USA).

7. HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards. Avoid contact with water or moisture. Store below 90 F. Store in a cool, dry place. Store in a well-ventilated area. Empty containers may contain product residue. Notify State Emergency Response Commission for storage or use at amounts greater than or equal to the TPQ (U.S. EPA SARA Section 302). SARA Section 303 requires facilities storing a material with a TPQ to participate in local emergency response planning (U.S. EPA 40 CFR 355.30). See original container for storage recommendations. Keep separated from incompatible substances.

HANDLING: Wash thoroughly after handling. Remove and launder contaminated clothing separately from other laundry before reuse. Avoid contact with eyes, skin and clothing. Avoid ingestion. When using, do not eat, drink or smoke. Subject to handling regulations: U.S. OSHA 29 CFR 1910.119.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:

SILICIC ACID HYDRATE:

SILICON DIOXIDE, AMORPHOUS (SILICA, AMORPHOUS):

20 mppcf OSHA TWA (<1% crystalline silica)>OSHA TWA (<1% crystalline silica) (80 mg/m³ divided by %SiO₂)>6 mg/m³ NIOSH recommended TWA 10 hour(s)

SILICA, AMORPHOUS, FUMED:

SILICON DIOXIDE, AMORPHOUS (SILICA, AMORPHOUS):

20 mppcf OSHA TWA (<1% crystalline silica)>OSHA TWA (<1% crystalline silica) (80 mg/m³ divided by %SiO₂)>6 mg/m³ NIOSH recommended TWA 10 hour(s)

HYDROPHOBIC AMORPHOUS FUMED SILICA:

SILICON DIOXIDE, AMORPHOUS (SILICA, AMORPHOUS):

20 mppcf OSHA TWA (

<1% crystalline silica>OSHA TWA (
<1% crystalline silica) (80 mg/m³ divided by %SiO₂)>6 mg/m³ NIOSH recommended TWA 10 hour(s)

DIBUTYL TIN OXIDE:**TIN, ORGANIC COMPOUNDS (as Sn):**

0.1 mg/m³ OSHA TWA

0.1 mg/m³ ACGIH TWA (cutaneous absorption danger)

0.2 mg/m³ ACGIH STEL (cutaneous absorption danger)

0.1 mg/m³ NIOSH recommended TWA 10 hour(s) (skin)

VENTILATION: Under normal conditions of use, no special ventilation equipment is needed. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

RESPIRATOR: No respirator is required under normal conditions of use. Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid

APPEARANCE: clear

PHYSICAL FORM: paste

ODOR: sweet alcohol odor

BOILING POINT: Not available

FREEZING POINT: Not available

VAPOR PRESSURE: Not available

VAPOR DENSITY (air=1): not volatile

SPECIFIC GRAVITY (water=1): 1.1

WATER SOLUBILITY: insoluble

PH: Not available

VOLATILITY: Not available

VOLATILITY BY WEIGHT: <1.5%

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not available

VOC: 17 g/L

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

INCOMPATIBILITIES: oxidizing materials

HAZARDOUS DECOMPOSITION:

Decomposition products on contact with water or moisture: methanol

Thermal decomposition or combustion products: aldehydes, acids, oxides of carbon, oxides of silicon

POLYMERIZATION: Will not polymerize.

11. TOXICOLOGICAL INFORMATION

SILICIC ACID HYDRATE:

TOXICITY DATA: >2 mg/l inhalation-rat LC50; >2000 mg/kg skin-rabbit LD50; >31600 mg/kg oral-rat LD50

CARCINOGEN STATUS: IARC: Human Inadequate Evidence, Animal Inadequate Evidence, Group 3

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: respiratory disorders

SILICA, AMORPHOUS, FUMED:

TOXICITY DATA: 3160 mg/kg oral-rat LD50

CARCINOGEN STATUS: IARC: Human Inadequate Evidence, Animal Inadequate Evidence, Group 3

ACUTE TOXICITY LEVEL:

Moderately Toxic: ingestion

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: respiratory disorders

HYDROPHOBIC AMORPHOUS FUMED SILICA:

TOXICITY DATA: >5000 mg/kg oral-rat LD50

CARCINOGEN STATUS: IARC: Human Inadequate Evidence, Animal Inadequate Evidence, Group 3 (Amorphous silica)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: eye disorders, respiratory disorders, skin disorders and allergies

DIBUTYLTIN OXIDE:

IRRITATION DATA: 500 mg/24 hour(s) skin-rabbit mild; 100 mg eyes-rabbit severe

TOXICITY DATA: 44900 ug/kg oral-rat LD50

CARCINOGEN STATUS: ACGIH: A4 -Not Classifiable as a Human Carcinogen (Organic compounds)

LOCAL EFFECTS:

Irritant: inhalation, skin, eye

ACUTE TOXICITY LEVEL:

Highly Toxic: ingestion

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: central nervous system disorders, kidney disorders, liver disorders, skin disorders

REPRODUCTIVE EFFECTS DATA: Available.

BIS(1,2,2,6,6,-PENTAMETHYL-4-PIPERIDYL)DECANEDIOATE:

TOXICITY DATA: 3.1 g/kg oral-rat LD50

ACUTE TOXICITY LEVEL:

Moderately Toxic: ingestion

TARGET ORGANS: immune system (sensitizer)

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: No classification assigned.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: No classification assigned.

15. REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

Formaldehyde: 100 LBS RQ

METHYL ALCOHOL (METHANOL): 5000 LBS RQ

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):

Formaldehyde: 500 LBS TPQ

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40):

Formaldehyde: 100 LBS RQ

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: Yes

CHRONIC: Yes

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65):

Formaldehyde

OSHA PROCESS SAFETY (29CFR1910.119):

Formaldehyde: 1000 LBS TQ

STATE REGULATIONS:

California Proposition 65:

Known to the state of California to cause the following:

Formaldehyde

Cancer (Jan 01, 1988)

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: Not determined.

NATIONAL INVENTORY STATUS:

U.S. INVENTORY (TSCA): One or more components of this product are not listed.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

CANADA INVENTORY (DSL/NDSL): Not determined.

16. OTHER INFORMATION

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