

C.L. SMITH INDUSTRIAL CO.

2972 ARNOLD TENBROOK ROAD, ARNOLD MO 63010 ** PHONE: 636-296-1036 FAX: 636-296-0944

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Date of Preparation: 1/1/07 HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: NONE

SECTION 1 - MATERIAL IDENTIFICATION

PRODUCT NAME: CLS 70-4 (PART A)

PRODUCT APPEARANCE: White Colored Paste with Sweet Odor.

CHEMICAL NAME: Epoxy Resin

DOT HAZARD CLASSIFICATION: NONE

EMERGENCY TELEPHONE NUMBERS:

1-800-535-5053 --- INFOTRAC
1-636-296-1036 --- C.L. SMITH INDUSTRIAL

SECTION 2 - HAZARDOUS INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

<u>INGREDIENT</u>	<u>CAS #</u>	<u>PEL/TLV-TWA</u>	<u>STEL-TWA</u>
Bisphenol A Epoxy Resin	25068-38-6	N/E	N/E

N/E - Not Established

T/S - Trade Secret

S - Skin

Listed above are the hazardous components as defined in 40 CFR 172 and 29 CFR 1010 which are present in this product and all components which appear on the hazardous substance list of an... state

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

The following data represents approximate or typical values. They do not constitute product specifications.

BOILING RANGE: N/A

MELTING POINT: N/A

DENSITY: 1.16 @ 77 F

PERCENT VOLATILE: N/D

VAPOR DENSITY (AIR=1): HEAVIER/AIR

VAPOR PRESSURE (mm Hg): N/A

EVAPORATION RATE: > 1

WATER MISCIBILITY: INSOLUBLE

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: < 200 F

LOWER FLAMMABILITY LIMIT:

N/A

TEST METHOD: SETAFLASH CLOSED CUP

UPPER FLAMMABLE LIMIT: N/A

RECOMMENDED EXTINGUISHING MEDIA:

WATER, FOAM, CARBON DIOXIDE, DRY CHEMICALS OR FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

USE EQUIPMENT SUITABLE FOR ORDINARY COMBUSTIBLE MATERIAL. WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT. ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT BURNING LIQUID.

UNUSUAL FIRE OR EXPLOSION HAZARDS (CONDITIONS TO AVOID):

NONE

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

CONDITIONS TO AVOID: N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 6 - HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE:**

INHALATION: May cause irritation to upper respiratory tract. Avoid prolonged or repeated inhalation.
EYE CONTACT: May cause eye irritation on prolonged or repeated exposure.
SKIN CONTACT: May cause skin irritation on prolonged or repeated exposure.
INGESTION: Do not take internally. May cause burns of mouth and throat.
CHRONIC EFFECTS OF OVEREXPOSURE: Possible allergic skin reaction.

EMERGENCY & FIRST AID PROCEDURES:

EYES: Flush with plenty of water and get medical attention. Keep eye lids apart. Wash within 1 minute of contact for maximum results.
SKIN: Promptly wipe clean with paper or cloths and wash with soap and water. Remove contaminated clothing before reuse.
 Attention should be paid to hair, nose and eyes.
INHALATION: In case of exposure to high concentration of vapor or mist, remove person to fresh air.
INGESTION: If large amounts are swallowed, induce vomiting. Seek medical attention. May cause burns to mouth and throat.
PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, Skin and Eye contact
CARCINOGENITY: This product does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, IARC or OSHA.

SECTION 7 - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Ventilate area. Absorb spill with suitable absorbent material and place into a closed container.
 Prevent material from entering waterways. Wear protective equipment during cleanup. Use eye and skin protection.

WASTE DISPOSAL METHOD:

Incinerate or use biological treatment in accordance with federal, state and local regulations.
 For further information, contact: EPA - RCRA HOTLINE (1-800-424-9346).

SECTION 8 - SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION:**

Should be worn to avoid breathing spray mist, heated vapors or if TLV is exceeded. Acid vapor type.

VENTILATION:

Local exhaust and general ventilation recommended.

PROTECTIVE GLOVES:

Impervious gloves. Apply barrier cream before exposure. Do not apply cream after exposure.

EYE PROTECTION:

Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT:

As required to prevent wetting of skin and clothing.

SECTION 9 - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow clothing to contact skin. Avoid contact with vapors or fumes.

SPECIAL PRECAUTIONS:

Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light.
 Store at temperatures below 120 F. Remove all contaminated clothing, shoes, belts, and other leather goods immediately.
 Solvents should not be used to clean skin because of increased penetration potential. Wash contaminated clothing before reuse.

SECTION 10 - SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION: N/A

SARA HAZARD CLASSIFICATION: SARA Title III Regulations (40 CFR 370): N/A

SARA SECTION 313 LISTED INGREDIENTS:

This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT PROPER SHIPPING NAME:

N/A

UN NUMBER: N/A

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Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Date of Preparation: 1-1-07 HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: NONE

SECTION 1 - MATERIAL IDENTIFICATION

PRODUCT NAME: CLS 70-4 (PART B)

PRODUCT APPEARANCE: Black Colored Paste with Skunk Odor.

CHEMICAL NAME: Mercaptan Terminated Polymer

DOT HAZARD CLASSIFICATION: CORROSIVE LIQUID N.O.S.

EMERGENCY TELEPHONE NUMBERS:

1-800-535-5053 --- INFOTRAC

1-636-296-1036 --- C.L. SMITH INDUSTRIAL

SECTION 2 - HAZARDOUS INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

<u>INGREDIENT</u>	<u>CAS #</u>	<u>PEL/TLV-TWA</u>	<u>STEL-TWA</u>
MERCAPTAN POLYMER	T/S	N/E	N/E

N/E - Not Established

T/S - Trade Secret

S - Skin

Values above are the hazardous components as determined by 40 CFR 170 and 29 CFR 1010 which are present in this product and all components which appear on the hazardous substance list of any state.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

The following data represents approximate or typical values. They do not constitute product specifications.

BOILING RANGE: > 425 F @ 76

MELTING POINT: N/A

DENSITY: 0.96 @ 77F

PERCENT VOLATILE: < 1

VAPOR DENSITY (AIR=1): HEAVIER THAN AIR

VAPOR PRESSURE: N/A

EVAPORATION RATE: > 1

WATER MISCIBILITY: INSOLUBLE

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT: > 200F

LOWER FLAMMABILITY LIMIT:

N/A

TEST METHOD: PENSKY-MARTIN CLOSED CUP

UPPER FLAMMABLE LIMIT: N/A

RECOMMENDED EXTINGUISHING MEDIA:

DRY CHEMICAL, REGULAR FOAM, ALCOHOL FOAM

SPECIAL FIRE FIGHTING PROCEDURES:

USE EQUIPMENT SUITABLE FOR ORDINARY COMBUSTIBLE MATERIAL. WATER OR FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

UNUSUAL FIRE OR EXPLOSION HAZARDS (CONDITIONS TO AVOID):

NONE

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: STRONG OXIDIZING AGENTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

CONDITIONS TO AVOID: N/A

SECTION 6 - HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE:**

INHALATION: May cause irritation to upper respiratory tract. Avoid prolonged or repeated inhalation.
EYE CONTACT: May cause eye irritation on prolonged or repeated exposure.
SKIN CONTACT: May cause skin irritation on prolonged or repeated exposure.
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CHRONIC EFFECTS OF OVEREXPOSURE: Possible allergic skin reaction.

EMERGENCY & FIRST AID PROCEDURES

EYES: Flush with plenty of water and get medical attention. Keep eye lids apart. Wash with: 1 minute of contact for maximum results.
SKIN: Promptly wipe clean with paper or cloths and wash with soap and water. Remove contaminated clothing before reuse.
 Attention should be paid to hair, nose and eyes.
INHALATION: In case of exposure to high concentration of vapor or mist, remove person to fresh air.
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SPECIAL PRECAUTIONS:

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 Store at temperatures below 120 F. Remove all contaminated clothing, shoes, belts, and other leather goods immediately.
 Solvents should not be used to clean skin because of increased penetration potential. Wash contaminated clothing before reuse.

SECTION 10 - SUPPLEMENTAL INFORMATION**REGULATORY INFORMATION: CORROSIVE LIQUID**

SARA HAZARD CLASSIFICATION: SARA Title III Regulations (40 CFR 370): N/A

SARA SECTION 313 LISTED INGREDIENTS:

This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT PROPER SHIPPING NAME:

CORROSIVE LIQUID N.O.S.

UN NUMBER: UN 1760