

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 707LVP

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** DOC 101 100% SOLID EPOXY PART A  
**PRODUCT CODES:** 707, 707LVP A

**MANUFACTURER:** Epoxydoc

**CITY, STATE, ZIP:** Salt Lake City, Utah 84107

**INFORMATION PHONE:** 801.685.0147  
**EMERGENCY PHONE:** Chemtrec 800-424-9300  
**FAX PHONE:** 801-685-0146

**PREPARED BY:** Harry Jackson

**DATE REVISED:** 1/1/11

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
MODIFIED GLYCIDYL ETHER OF BISPENOL A	25068-38-6	NONE	NONE	NONE	
ALKYL GLYCIDYL ETHER	69609-97-2	NONE	NONE	NONE	
REACTION PRODUCTS OF EPICHLOROHYDRIN					
BISPENOL A	25068-38-6	NONE	NONE	NONE	
PIGMENT	NON HAZARDOUS IN LIQUID FORM	10mg/m3	10mg/m3	5mg/m3	
EXTENDER	NON HAZARDOUS IN LIQUID FORM	20MG/M3	20MG/M3	20MG/M3	
EXTENDER	NON HAZARDOUS IN LIQUID FORM	NONE	5MG/M3	NONE	
*XYLENE	1330-20-7	100PPM	100PPM	150PPM	1
PROPRIETARY NON HAZARDOUS ADDITIVES	UNKNOWN	NONE	NONE	NONE	
Carbon black	1333-86-4	3.5 ppm	3.5 ppm	none	

SECTION 2 NOTES: \*Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.  
XYLENE ACHIH STEL=150PPM

## SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE AND ODOR:** LOW VISCOSITY LIQUID IN VARYING COLORS  
**BOILING POINT OR RANGE:** 200 TO 279F  
**VAPOR DENSITY (AIR = 1):** N/A  
**SPECIFIC GRAVITY (H2O = 1):** 1.5  
**EVAPORATION RATE:** N/A  
**SOLUBILITY IN WATER:** NEGLIGIBLE

SECTION 3 NOTES:

## SECTION 4: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, (% by volume)** **UPPER:** not available  
**LOWER:** not available

**FLASH POINT:** 200+F

**METHOD USED:**

SETA FLASH

**EXTINGUISHING MEDIA:**

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

**SPECIAL FIRE FIGHTING PROCEDURES:**

DO NOT ENTER CONFINED AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

NONE KNOWN.

SECTION 4 NOTES:

## SECTION 5: STABILITY AND REACTIVITY

**STABILITY:**

STABLE

**CONDITIONS TO AVOID (STABILITY):**

AVOID EXCESSIVE HEAT OR OPEN FLAMES.

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 707LVP

## INCOMPATIBILITY (MATERIAL TO AVOID):

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.

## HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

CO<sub>2</sub>, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

## HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

## SECTION 5 NOTES:

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## SECTION 6: HAZARDS IDENTIFICATION

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### HMIS HAZARD CLASSIFICATION

HEALTH: 2      FLAMMABILITY: 1      REACTIVITY: 0      PERSONAL PROTECTIVE EQUIPMENT: G

### POTENTIAL HEALTH EFFECTS

#### EYES:

MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.

#### SKIN:

MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE.

#### INGESTION:

THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.

#### INHALATION:

NO GUIDE FOR CONTROL KNOWN, HOWEVER, EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION TO THE NOSE, THROAT OR MUCOUS MEMBRANES..

#### HEALTH HAZARDS (ACUTE AND CHRONIC):

EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATION OF VAPOR. EYES: INJURY IF UNLIKELY BUT STAIN FOR EVIDENCE OF CORNEAL INJURY.

#### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.

#### CARCINOGENICITY

OSHA: NO      NTP: NO      IARC: yes

#### ADDITIONAL CARCINOGENICITY INFORMATION:

Some colors may contain carbon black - Explanation Of Carcinogenicity: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 65, PG 149, 1996: GROUP 2B.

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## SECTION 7: FIRST AID MEASURES

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#### EYES:

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

#### SKIN:

SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

#### INGESTION:

LOW IN TOXICITY, INDUCE VOMITING ONLY IF LARGE AMOUNTS OF MATERIAL ARE INGESTED, AND OTHERWISE DO NOT INDUCE VOMITING. IN EITHER CASE CONSULT WITH A PHYSICIAN.

#### INHALATION:

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

#### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

## SECTION 7 NOTES:

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## SECTION 8: RELEASE MEASURES

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### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

## SECTION 8 NOTES:

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## SECTION 9: WASTE DISPOSAL

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### WASTE DISPOSAL METHOD:.

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

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## SECTION 10: HANDLING AND STORAGE

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# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 707LVP

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS

## OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF

## SECTION 10 NOTES:

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## SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR

### VENTILATION :

GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS

### PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

### EYE PROTECTION:

SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

### WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

## SECTION 11 NOTES:

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## SECTION 12: DISCLAIMER

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**DISCLAIMER:** The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** DOC 101 100% SOLID EPOXY PART B  
**PRODUCT CODES:** 707, 707LVP

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 707LVP

**MANUFACTURER:** Epoxydoc  
**CITY, STATE, ZIP:** Salt Lake City, Utah

**INFORMATION PHONE:** 801-685-90147  
**EMERGENCY PHONE:** Chemtrec 800-424-9300  
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**PREPARED BY:** Harry Jackson

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
BENZYL ALCOHOL	100-51-6	NONE	NONE	NONE	
3-AMINOMETHYL-3,5,5-TRIMETHYL CYCLOHEXANE	2855-13-2	NONE	NONE	NONE	
2-HYDROXYBENZOIC ACID	69-72-7	NONE	NONE	NONE	
TRIS-2,4,6-DIMETHYLAMINOMETHYLPHENOL	90-72-2	NONE	NONE	NONE	
DIMETHYLAMINOMETHYLPHENOL	25338-55-0	NONE	NONE	NONE	
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	100PPM	100PPM	150PPM	

### SECTION 2 NOTES:

\*Indicates toxic chemicals subject to the reporting requirements of section 313 Title III of 40 CFR 372.

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## SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** LOW VISCOSITY LIQUID – SOLVENT ODOR  
**BOILING POINT OR RANGE:** 243 TO 401F  
**VAPOR DENSITY (AIR = 1):** N/A  
**SPECIFIC GRAVITY (H2O = 1):** 1.0  
**EVAPORATION RATE:** N/A  
**SOLUBILITY IN WATER:** NEGLIGIBLE

### SECTION 3 NOTES:

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## SECTION 4: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR,**                      **UPPER:** not available  
(% by volume)                                      **LOWER:** not available

**FLASH POINT:** 91+F

**METHOD USED:**

SETA FLASH

**EXTINGUISHING MEDIA:**

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

**SPECIAL FIRE FIGHTING PROCEDURES:**

DO NOT ENTER CONFINED AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER. PRESENCE OF SOLVENTS IN PRODUCT MAY REQUIRE GROUNDING.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

IF FIRE OCCURS, SOLVENTS MAY PRODUCE EXCESSIVE PRESSURE. SEALED DRUMS MAY RUPTURE AND IGNITE. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND IGNITE BY ANY SOURCE OF IGNITION. NEVER USE A CUTTING OR WELDING TORCH NEAR CONTAINERS (EVEN EMPTY). ALL 5 GALLON AND LARGER CONTAINERS SHOULD BE GROUNDED BEFORE TRANSFERRING MATERIAL.

### SECTION 4 NOTES:

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## SECTION 5: STABILITY AND REACTIVITY

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**STABILITY:**

STABLE

**CONDITIONS TO AVOID (STABILITY):**

AVOID EXCESS HEAT OR OPEN FLAMES AS WELL AS ALL SOURCES OF IGNITIONS SUCH AS SPARKS, HEATERS, AND STATIC DISCHARGES ETC.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

# MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 707LVP

AVOID EPOXY RESINS IN UNCONTROLLED AMOUNTS AND STRONG OXIDIZING AGENTS.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

MAY FORM TOXIC CHEMICALS, CARBON DIOXIDE, CARBON MONOXIDE AND VARIOUS HYDROCARBONS ETC.

**HAZARDOUS POLYMERIZATION:**

WILL NOT OCCUR.

SECTION 5 NOTES:

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**SECTION 6: HAZARDS IDENTIFICATION**

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**HMS HAZARD CLASSIFICATION**

HEALTH: 3    FLAMMABILITY: 2    REACTIVITY: 0    PERSONAL PROTECTIVE EQUIPMENT: G

**POTENTIAL HEALTH EFFECTS**

**EYES:**

CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING OR BLURRED VISION.

**SKIN:**

MAY CAUSE IRRITATION, DEFATTING AND DERMATITIS.

**INGESTION:**

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, DIARRHEA AND ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

**INHALATION:**

CAN CAUSE NAUSEA AND RESPIRATORY IRRITATION DIZZINESS, WEAKNESS, FATIGUE, HEADACHE, AND POSSIBLE UNCONSCIOUSNESS.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

AMINE RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR. OVER-EXPOSURE TO THIS MATERIAL CAN CAUSE CARDIAC ABNORMALITIES, ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE OR EVEN EYE DAMAGE.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

**CARCINOGENICITY**

OSHA: NO    NTP: NO    IARC: NO

**ADDITIONAL CARCINOGENICITY INFORMATION:**

NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.

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**SECTION 7: FIRST AID MEASURES**

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**EYES:**

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

**SKIN:**

SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

**INGESTION:**

DO NOT INDUCE VOMITING, KEEP PERSON WARM AND CONSULT A PHYSICIAN IMMEDIATELY.

**INHALATION:**

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

SECTION 7 NOTES:

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**SECTION 8: RELEASE MEASURES**

---

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

WEAR RESPIRATOR AND PROTECTIVE CLOTHING. REMOVE ALL SOURCES OF IGNITIONS. REMOVE EXCESS WITH VACUUM TRUCK TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBENT AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 8 NOTES:

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**SECTION 9: WASTE DISPOSAL**

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**WASTE DISPOSAL METHOD:**

DISPOSE OF MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

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**SECTION 10: HANDLING AND STORAGE**

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## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ ALL MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS. KEEP AWAY FROM ALL SOURCES OF IGNITION.

## OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CANNOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF. WEAR APPROPRIATE SAFETY EQUIPMENT AND RESPIRATOR AT ALL TIMES WHEN VENTILATION IS NOT SUFFICIENT TO CONTROL VAPORS.

## SECTION 10 NOTES:

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## SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. ENGINEERING OR ADMINISTRATIVE MEASURES SHOULD BE TAKEN TO REDUCE THE RISK AND EXPOSURE.

### VENTILATION:

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND LOCAL EXHAUST). VENTILATION TO MAINTAIN EXPOSURE BELOW TOXIC LEVEL VALUES.

### PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

### EYE PROTECTION:

SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

### WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

## SECTION 11 NOTES:

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## SECTION 12: DISCLAIMER

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