

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SL130 PART A
PRODUCT CODE: 130 A

HMIS CODES: H F R P
1* 1 0 B

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: SILVER LAKE INDUSTRIAL SERVICES
ADDRESS: P.O. BOX 313, SILVER LAKE, IN. 46982
EMERGENCY PHONE: CHEMTREC 800-424-9300 **INFORMATION PHONE:** 260-352-3219
DATE REVISED: 01-05-05 **NAME OF PREPARER:** DOUG DYSON

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE		WEIGHT
		OSHA PEL	ACGIH TLV	OSHA STEL	**Hg @	TEMP	PERCENT
MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	NONE	NONE	NONE	1.0	356F	
ALEYL GLYCIDYL ETHER	68609-97-2	NONE	NONE	NONE		N/A	

***No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: 200 Deg F **SPECIFIC GRAVITY (H2O=1):** 1.1
VAPOR DENSITY: N/A **EVAPORATION RATE:** N/A
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: LOW VISCOSITY LIQUID

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: 200+F **METHOD USED:** SETA FLASH
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A **UPPER:** N/A
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

DO NOT ENTER CONFINED FIRE 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

NO UNUSUAL FIRE HAZARDS KNOWN.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

AVOID EXCESSIVE HEAT OR OPEN FLAMES.

INCOMPATIBILITY (MATERIALS TO AVOID)

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

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CO₂, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

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

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE. EYES: MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT LIKELY TO BE ABSORBED IN TOXIC AMOUNTS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.

HEALTH HAZARDS (ACUTE AND CHRONIC)

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

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

EMERGENCY AND FIRST AID PROCEDURES

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. INHALATION: REMOVE VICTIM TO FRESH AIR AREA AND ADMINISTER OXYGEN IF NECESSARY. INGESTION: LOW IN TOXICITY, INDUCE VOMITING ONLY IF LARGE AMOUNTS OF MATERIAL ARE INGESTED. OTHERWISE DO NOT INDUCE VOMITING, IN EITHER CASE IMMEDIATELY CONSULT WITH A PHYSICIAN.

=====SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

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 ABSORBANT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

WASTE DISPOSAL METHOD

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

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 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 CANNOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF

===== SECTION VIII - CONTROL MEASURES =====

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 IX - DISCLAIMER =====

DISCLAIMER

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SL130 PART B
PRODUCT CODE: 130 B

HMIS CODES: H F R P
3* 1 0 G

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

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EMERGENCY PHONE: CHEMTREC 800-424-9300 **INFORMATION PHONE:** 260-352-3219
DATE REVISED: 01-05-05 **NAME OF PREPARER:** DOUG DYSON

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE	WEIGHT	
		OSHA PEL	ACGIH TLV	OSHA STEL	**Hg @ TEMP	PERCENT	
DIETHYLENTRIAMINE	111-40-0	1ppm	1ppm	NONE	0.0	68F	
MODIFIED – AGIPHATIC POLYAMINE NJTSR# IS 05995500	5449P	NONE	NONE	NONE	N/A		
*BISPHENOL A	80-06-7	NONE	NONE	NONE	1.0	379F	1
NONYL PHENOL	25154-52-3	NONE	NONE	NONE	N/A		
N-AMINOETHYLPIPERAZINE	140-31-8	NONE	NONE	NONE	N/A		
*ANTHRACENE	120-12-7	.2mg/m3	.2mg/m3	NONE	1.0	284F	1
*NAPHTHALENE	91-20-3	10PPM	10PPM	15PPM	1.0	982F	< 0.5%
*BENZO(A)PYRENE	8007-45-2	.2mg/m3	.2mg/m3	NONE	N/A		1
*PYRENE	129-00-0	.2mg/m3	.2mg/m3	NONE	N/A		2
*CHRYSENE	218-01-9	.2mg/m3	.2mg/m3	NONE	1.0	93F	1
COAL TAR PITCH	65996-89-6	.2mg/m3	.2mg/m3	NONE	N/A		59.54

Indicates toxic chemical(s) subject to the reporting requirement of section 313 of Title III and of 40 CFR 372.
REGULATORY STANDARD – NIOSH CRITERIA DOCUMENT, COAL TAR PRODUCTS. USEPA – 40 CFR 112

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: 560 to 631 Deg F **SPECIFIC GRAVITY (H2O=1):** 1.1
VAPOR DENSITY: N/A **EVAPORATION RATE:** N/A
SOLUBILITY IN WATER: NEGLIGIBLE
APPEARANCE AND ODOR: BLACK LIQUID WITH AMINE ODOR

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: 200+F **METHOD USED:** SETA FLASH
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A **UPPER:** N/A

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS

WATER/FOG IS RECOMMENDED FOR CONTROL OF UNCONFINED FIRE, BUT WATER MAY CAUSE FROTHING OR ERUPTION IN CLOSED TANK.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS.

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID CONTACT WITH STRONG OXIDIZING AGENTS, MINERAL ACIDS AND EPOXY RESINS IN UNCONTROLLED AMOUNTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CO, CO₂, NO_x

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA AND DIZZINESS. OVEREXPOSURE MAY RESULT IN ACUTE TOXIC EFFECTS, RESPIRATORY DIFFICULTY, CONVULSIONS AND POSSIBLE CARDIOVASCULAR COLLAPSE.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

WILL CAUSE BURNS TO THE SKIN AND EYES. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES. IF NOT WASHED OFF THE SKIN AND WHEN ACCENTUATED BY SUNLIGHT BURNS CAN RESULT.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LIQUID CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES IF SWALLOWED.

HEALTH HAZARDS (ACUTE AND CHRONIC)

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

CARCINOGENICITY: NTP? YES IARC MONOGRAPHS? YES OSHA REGULATED? YES

FREQUENT, PROLONGED OR OCCASIONAL BUT INTENSIVE CONTACT WITH THE SKIN OVER A MANY YEAR PERIOD, IN THE ABSENCE OF RECOMMENDED HYGIENE PRACTICES, MAY LEAD TO SKIN PIGMENTATION, BENIGN SKIN GROWTHS AND IN SOME CASES MAY RESULT IN SKIN CANCER.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.

EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE LIFTING UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ASSISTANCE. SKIN: FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS. INHALATION: REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY. INGESTION: DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

=====SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID CONTACT WITH MATERIAL WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYKE AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBANT AND PLACE IN DISPOSAL CONTAINERS.

WASTE DISPOSAL METHOD

DISPOSE OF THE MATERIAL AS A HAZARDOUS WASTE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS, RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.

OTHER PRECAUTIONS

MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS. FOR EMERGENCIES A SELF-CONTAINED BREATHING APPARATUS OR A FULL FACE RESPIRATOR IS RECOMMENDED.

VENTILATION

AVOID BREATHING VAPORS. VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.

PROTECTIVE GLOVES

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

CLEAN BODY COVERING CLOTHING AS WELL AS APRON FOOTWEAR OR OTHER EQUIPMENT SHOULD BE USED AS DEEMED NECESSARY TO AVOID CONTACT WITH THE MATERIAL

WORK/HYGIENIC PRACTICES

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

===== SECTION IX - DISCLAIMER =====

DISCLAIMER

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SL130 PART C
PRODUCT CODE: 130 C

HMIS CODES: H F R P
2* 0 0 E

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: SILVER LAKE INDUSTRIAL SERVICES
ADDRESS: P.O. BOX 313, SILVER LAKE, IN. 46982
EMERGENCY PHONE: CHEMTREC 800-424-9300 **INFORMATION PHONE:** 260-352-3219
DATE REVISED: 01-05-05 **NAME OF PREPARER:** DOUG DYSON

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE	WEIGHT
		OSHA PEL	ACGIH TLV	OSHA STEL	**Hg @ TEMP	PERCENT
SILICON DIOXIDE	14808-60-7	10mg/m3	.1mg/m3	.1mg/m3	N/A	100.00

***No toxic chemical(s) subject to the reporting requirement of section 313 of Title III and of 40 CFR 372 are present. ***
FOLLOW OSHA HAZARD COMMUNICATION RULE 29CFR SECTIONS 1910.1200.1200, 1915.99, 1917.28, 1918.9, 1926.59,
AND STATE AND LOCAL COMMUNITY RIGHT TO KNOW LAWS. WE RECOMMEND THAT SMOKING BE PROHIBITED
IN AREAS WHERE RESPIRATORS MUST BE USED.

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING RANGE: N/A **SPECIFIC GRAVITY (H2O=1):** 2.6
VAPOR DENSITY: N/A **EVAPORATION RATE:** N/A
SOLUBILITY IN WATER: INSOLUBLE IN WATER
APPEARANCE AND ODOR: WHITE OR TAN SAND GRANULAR CRUSHED OR GROUND – NO ODOR

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: N/A **METHOD USED:** N/A
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A **UPPER:** N/A
EXTINGUISHING MEDIA: OTHER

SPECIAL FIREFIGHTING PROCEDURES
CRYSTALLINE SILICA IS NEITHER A FIRE NOR AN EXPLOSION HAZARD.

UNUSUAL FIRE AND EXPLOSION HAZARDS
NO UNUSUAL FIRE HAZARDS KNOWN.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

CONTACT WITH POWERFULL OXIDIZING AGENTS SUCH AS FLUORINE, CHLORINE, TRIFLUORIDE, MANGANESE TRIOXIDE, OXYGEN TRIFLUORIDE.

INCOMPATIBILITY (MATERIALS TO AVOID)

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS – SEE CONDITIONS TO AVOID.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

SILICA WILL DISSOLVE IN HYDROCHLORIC ACID TO FORM A CORROSIVE GAS – SILICON TETRAFLUORIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

PROLONGED EXPOSURE TO RESPIRABLE CRYSTALLINE QUARTS MAY CAUSE DELAYED LUNG INJURY (SILICOSIS). ACUTE OR RAPIDLY DEVELOPING SILICOSIS MAY OCCUR IN A SHORT PERIOD OF TIME IN HEAVY EXPOSURE IN SOME APPLICATIONS SUCH AS SAND BLASTING.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE REDDENING OF THE EYES OR EYE IRRITATION FROM AIRBORNE PARTICLES.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NONE KNOWN.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NONE KNOWN.

HEALTH HAZARDS (ACUTE AND CHRONIC)

MAY CAUSE DELAYED SILICOSIS OR RAPID SILICOSIS IN SOME OCCUPATIONS SUCHA AS SANDBLASTING, SILICOSES IS A FORM OF A DISABLING PULMONARY FIBROSIS WHICH CAN BE PROGRESSIVE AND COULD LEAD TO DEATH. INHALATION MAY LEAD TO LUNG SCARRING AND MASSIVE FIBROSIS WHICH WOULD BE ACCOMPANIED BY RIGHT HEART ENLARGEMENT, HEART FAILURE, OR PULMONARY FAILURE. SMOKING AGGRAVATES THE EFFECTS OF EXPOSURE.

CARCINOGENICITY: NTP? YES IARC MONOGRAPHS? YES OSHA REGULATED? NO

IARC HAS DETERMINED THAT CRYSTALLINE SILICA INHALED IN THE FORM OF QUARTZ IS CARCINOGENIC TO HUMANS (GROUP 1 – CARCINOGENIC TO HUMANS). THE NTP CLASSIFIED RESPIRABLE CRYSTALLINE SILICA IS REASONABLY ANTICIPATED TO BE A CARCINOGEN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

PULMONARY CONDITIONS OR OTHER SIMILAR AILMENTS CAN BE AGGRAVATED BY EXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN IF CONDITIONS WARRANT.

SKIN: CONTACT WILL NORMALLY CUE NO HEALTH RISKS. INHALATION: REMOVE VICTIM TO FRESH AIR AREA AND ADMINISTER OXYGEN IF NECESSARY, CONSULT A PHYSICIAN IF CONDITIONS WARRANT. IF INGESTED, CONSULT A PHYSICIAN.

=====SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WEAR RESPIRATOR AND USE DUSTLESS HANDLING EQUIPMENT TO CLEAN UP LARGE SPILLS. PLACE IN SUITABLE CONTAINERS FOR DISPOSAL. FLUSH AREA WITH WATER AFTER PICKUP OF MATERIAL.

WASTE DISPOSAL METHOD

DISPOSE OF THE MATERIAL AS A HAZARDOUS WASTE ACCORDING TO LOCAL STATE, AND FEDERAL LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN COOL DRY PLACE. PROPERLY LABEL ALL CONTAINERS AND RESEAL ALL PARTIALLY USED CONTAINERS. AVOID CREATING ANY DUST WHEN WORKING WITH THIS MATERIAL.

OTHER PRECAUTIONS

AVOID BREATHING DUST GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. PROVIDE TRAINING FOR YOUR EMPLOYEES RELATING TO OCCUPATIONAL EXPOSURE TO QUARTZ DUST. SEE ASTM STANDARD E1132-86 STANDARD PRACTICE FOR HEALTH REQUIREMENTS RELATING TO EXPOSURE TO QUARTZ DUST. IF BETTER THAN 500 % PEL USE A SELF CONTAINED BREATHING APPARATUS. IF SANDBLASTING, USE ANY TYPE CE SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE OR HOOD.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

USE NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO QUARTZ DUST. PROVIDE SUFFICIENT EXHAUST TO KEEP EXPOSURE LEVELS BELOW THE ACGIH PEL.

VENTILATION

USE EXHAUST SUFFICIENT TO MAINTAIN AIRBORNE PARTICULATES BELOW THE ACGIH PEL LIMITS ESTABLISHED.

PROTECTIVE GLOVES

N/A

EYE PROTECTION

SPLASH PROOF GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

PROVIDE ANY EQUIPMENT NECESSARY TO PREVENT THE INHALATION OF QUARTZ DUST.

WORK/HYGIENIC PRACTICES

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

===== SECTION IX - DISCLAIMER =====

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