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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NEOPRENE CEMENT, LP33 (CLEAR AND BLACK) LP31

MSDS DATE: 5/8/1996

I HAZARDOUS INGREDIENTS / SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS #	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE WEIGHT		
		OSHA PEL	ACGIH TLV	OTHER	MM HG @	TEMP	PERCENT
TOLUENE*	108-88-3	100 PPM	100 PPM		22.0	68F	11
HEXANE	110-54-3	50 PPM	50 PPM		140.0	68F	45
METHYL ETHYL KETONE*	78-93-3	200 PPM	200 PPM	200 PPM	74.9	68F	27

* INDICATES TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CRF 372. WARNING..... THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND / OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

II PHYSICAL DATA

APPEARANCE & ODOR: LOW VISCOSITY LIQUID WITH MILD NON-RESIDUAL ODOR

BOILING POINT	APPROX. 156 F	SPECIFIC GRAVITY	0.8
		WATER =1	
VAPOR PRESSURE (MMHG 20C)	N/A	VOLATILE ORGANIC COMPOUND	9 GRAMS/LITRE

COATING V.O.C. : 5.36 LB/GL (643 G/L) MATERIAL V.O.C.: 5.36 LB/GL (643 G/L)

VAPOR DENSITY (AIR=1) HEAVIER

SOLUBILITY IN WATER NIL EVAP. RATE (BUAC=1) SLOWER THAN ETHER

III FIRE & EXPLOSION HAZARD

FLASH POINT= -10 DEG F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0% UPPER: 11.4%

SPECIAL FIREFIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS IS REQUIRED FOR FIRES IN ENCLOSED AREAS.

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS; VOLATILE SOLVENT CONSTITUENT CAN READILY FORM EXPLOSIVE OR FLAMMABLE MIXTURES IN AIR. VAPORS CAN FLOW ALONG SURFACES TO DISTANT IGNITION SOURCES AND FLASH BACK.

IV REACTIVITY DATA

STABILITY

HAZARDOUS
POLYMERIZATION

HAZARDOUS
DECOMP. BYPRODUCT

STABLE

MAY OCCUR

UNSTABLE

WILL NOT OCCUR

BURNING MAY PRODUCE CO₂, CO, HCL

CONDITIONS TO AVOID; KEEP AWAY FROM ALL SOURCE OF IGNITION AND HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID); STRONG OXIDIZATION AGENTS CAN CAUSE SPONTANEOUS COMBUSTION.

V HEALTH HAZARD INFORMATION & FIRST AID PROCEDURES

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

HIGH CONCENTRATIONS, OR PROLONGED EXPOSURE TO LOWER CONC., MAY BE IRRITATING TO MUCOUS MEMBRANES AND MAY CAUSE CNS DEPRESSION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LIQUID OR HIGH VAPOR CONCENTRATION CONTACT CAN BE SEVERELY IRRITATING TO THE EYES. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

UNKNOWN. NOT LIKELY TO OCCUR.

INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE

MODERATE CNS DEPRESSION MAY BE SHOWN BY GIDDINESS, HEADACHE, DIZZINESS, AND NAUSEA. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. ASPIRATION PNEUMONITIS MAY BE EVIDENCED BY COUGHING AND CYANOSIS.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: MAY CAUSE EYE, OSE RESPIRATORY TRACT, AND SKIN IRRITATION. HEADACHE, DIZZINESS, DROWSINESS AND NAUSEA ARE ALSO SYMPTOMS. CHRONIC; HIGH CONCENTRATIONS OF VAPOR MAY CAUSE NARCOSIS OR CNS DEPRESSION. LONG TERM SKIN CONTACT CAN RESULT IN IRRITATION AND DRYING OF THE SKIN. SEE ADDENDUM FOR FURTHER CHRONIC EFFECTS.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS. PREEXISTING EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING, IF REQUIRED. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES WITH EYELIDS OPEN. GET MEDICAL EXAM. & TREATMENT. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. GET MEDICAL ATTENTION. NOTE TO PHYSICIAN: IF MORE THAN 2.0 ML PER KG HAS BEEN INGESTED, ENESIS SHOULD BE INDUCED.

VI PRECAUTION FOR SAFE HANDLING AND USE

MATERIAL IS SPILLED / RELEASED HANDLE AS A FLAMMABLE LIQUID. REMOVE ALL IGNITION SOURCES. SOAK UP WET MATERIAL ON A NON-COMBUSTIBLE ABSORBENT AND PLACE IN A CLOSED METAL CONTAINER.

WASTE DISPOSAL FOLLOW ALL FEDERAL, STATE AND LOCAL WASTE REGULATIONS, SOLID INGREDIENTS NOT CONSIDERED HAZARDOUS.

HANDLING & STORAGE; STORE IN COOL, WELL VENTILATED AREAS AWAY FROM ANY IGNITION SOURCES AND STRONG OXIDIZING AGENTS. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. DO NOT TRANSFER TO PLASTIC CONTAINERS.

OTHER PRECAUTIONS: GROUND AND BOND METAL CONTAINERS WHEN DISPENSING. NO SMOKING IN AREAS OF USE OR STORAGE. USE ONLY NON-SPARKING TOOLS NEAR WET ADHESIVE OR SOLVENT VAPORS. SOLVENT VAPOR MUCH HEAVIER THAN AIR AND CAN COLLECT IN DANGEROUS CONCENTRATIONS IN FLOOR DRAINS OR LOW AREAS.

VII CONTROL MEASURES

RESPIRATORY PROTECTION

WEAR A NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE, OR A FULLFACE SUPPLIED AIR RESPIRATOR.

VENTILATION

MECHANICAL VENTILATION AND / OR LOCAL EXHAUST, SUFFICIENT IN PATTERN AND VOLUME, TO MEET TLV REQUIREMENTS AND PREVENT EXPLOSIVE CONCENTRATIONS OF SOLVENT VAPORS.

PROTECTIVE GLOVES

USE POLYETHYLENE OR NITRILE GLOVES IF FREQUENT SKIN CONTACT IS LIKELY.

EYE PROTECTION

SAFETY GLASSES WITH SPLASH GUARDS OR SIDE SHIELDING RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

EYE WASH FOUNTAIN OR BOTTLES. SOLVENT INSOLUBLE BARRIER HAND CREAM.

WORK / HYGIENIC PRACTICES

DO NOT WEAR, CONTACT LENSES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

MSDS PREPARED BY: QUALITY CONTROL DEPT.

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