

# SAFETY DATA SHEETS

PRODUCT NAME: LRB (Liquid Rubber Base)

## SECTION I - COMPANY IDENTIFICATION

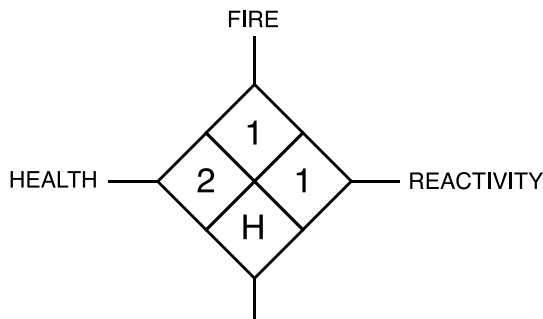


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PERSONAL PROTECTION (SECTION VIII)

### HMIS HAZARD RATING

LEAST ----- 0	SLIGHT ----- 1
MODERATE ----- 2	HIGH ----- 3
EXTREME ----- 4	

## SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

THERE ARE NO HAZARDOUS AIR POLLUTANTS

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE	
	CAS NUMBER	OSHA PEL	ACGIH TLV	MFG TLV	mm	Hg @ TEMP
URETHANE PREPOLYMER		N/E	N/E			
CRYSTALLINE SILICA (QUARTZ) 0.1%	14808-60-7	0.1mg/m3	0.1mg/m3			

Information concerning non-hazardous ingredients is considered a Trade Secret. Due to various state laws that stipulate a zero tolerance limit of even minute trace amounts of materials which may contain carcinogenic compounds and the presence of these materials must be reported regardless of hazard real or imaginary. The results from two independent laboratories have determined that the concentrations of organic vapors generated during the application of SANI-TRED products are far below the WCB 8 hour permissible exposure levels (PEL), for those compounds. In fact, most of the values were less than 1/10th of the PEL, for organic vapors.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >163°C (325°F)

COATING V.O.C.: 84 g/l (0.7 lb/gal)

EVAPORATION RATE: Slower than ether

APPEARANCE AND ODOR: Viscous liquid, mild chemical odor

SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.08

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: Reacts with water

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** >93°C (200°F)

**METHOD USED:** PMCC

**FLAMMABLE LIMITS IN AIR BY VOLUME:** Lower: N/E

Upper: N/E

**EXTINGUISHING MEDIA:** Dry chemical, foam and carbon dioxide. If water is used, use very large quantities of cold water.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with full-face piece. Boots, gloves (neoprene), goggles, and full protective clothing are also required. Excessive pressure or temperature may cause explosive rupture of containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Water contamination will produce carbon dioxide. Do not reseal contaminated containers as pressure buildup may rupture them.

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## SECTION V - REACTIVITY DATA

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** High temperature, open flame and moisture. Contact with incompatible materials in a closed system will cause liberation of carbon dioxide and buildup of pressure.

**INCOMPATIBILITY (MATERIALS TO AVOID):** This product will react with any material containing active hydrogens, such as water, alcohol, ammonia, amines, alkalis and acids, the reaction with water is slow under 50°C, but is accelerated at higher temperature and in the presence of alkalis, tertiary amines, and metal compounds.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Carbon dioxide, carbon monoxide, nitrogen oxides, trace amounts of hydrogen cyanide and unidentified organic compounds may be formed during combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur. High temperatures in the presence of alkalis, tertiary amines, and metal compounds will accelerate polymerization. Possible evolution of carbon dioxide gas may rupture closed containers.

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## SECTION VI - HEALTH HAZARD DATA

**SKIN CONTACT:** Prolonged contact can cause reddening, swelling, rash, scaling, blistering, and, in some cases, skin sensitization. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapor.

**EYE CONTACT:** Liquid, aerosols or vapors are severely irritating and can cause pain, tearing, reddening and swelling. Prolonged vapor contact may cause conjunctivitis. Any level of contact should not be left untreated.

**SKIN ABSORPTION:** Systemically toxic concentrations of this product will probably not be absorbed through human skin.

**INGESTION:** Can result in irritating and corrosive action in the mouth, stomach tissue and digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

**INHALATION:** High vapor concentrations may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system (CNS) effects. Persons with a preexisting, nonspecific bronchial hyperactivity can respond to concentrations with similar symptoms as well as asthma attack.

**HEALTH HAZARDS: ACUTE:** Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough.

**CHRONIC:** Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure.

Inhalation of crystalline silica can cause cancer based on animal data and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. Silicosis may result from breathing crystalline silica. Silica and other fillers are encapsulated and not expected to be released from product under normal conditions of use.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Cardiovascular disease, asthma or asthmatic bronchitis, emphysema, allergic disease, chronic respiratory disease, sinusitis, headache and dizziness.

**EMERGENCY AND FIRST AID PROCEDURES:** **EYE CONTACT:** Immediately flush eyes with plenty of water, preferably lukewarm. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel. **INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel. **SKIN CONTACT:** Wash material off the skin thoroughly with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse. **INGESTION:** Do not induce vomiting. Give 1 or 2 glasses of milk or water to drink and refer person to medical personnel. Do not give anything by mouth to an unconscious person.

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## **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear skin, eye, and respiratory protection during cleanup. Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area.

**WASTE DISPOSAL METHOD:** Dispose off in compliance with all relevant local, state, and federal laws and regulations regarding treatment.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool dry area. Store liquid in containers above ground and surround by dikes to contain spills or leaks.

**OTHER PRECAUTIONS:** Prevent skin and eye contact. Avoid breathing vapors. This product can produce asthmatic sensitization upon either single inhalation exposure to a relatively high concentration or upon repeated inhalation exposure to lower concentrations.

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## **SECTION VIII - CONTROL MEASURES**

**VENTILATION:** Use local exhaust ventilation to keep airborne concentrations below the TLV. Follow guidelines in the ACGIH publication "Industrial Ventilation".

**RESPIRATORY PROTECTION:** If airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full face piece or an air supplied hood. For emergencies, use a positive pressure self-contained breathing apparatus.

**PROTECTIVE CLOTHING:** Gloves determined to be impervious under the conditions of use should be worn always when working with this product. Depending on conditions of use, additional protection may be required such as apron, arm covers, or full body suit. Wash contaminated clothing before re-wearing.

**EYE PROTECTION:** Chemical tight goggles and full-face shield.

**OTHER PROTECTIVE EQUIPMENT AND MEASURES:** Unhindered access to safety shower and eye wash stations. As a general hygienic practice, wash hands and face after use. Showers and cleaning of clothes are recommended. Follow all label instructions. Educate and train employees in safe use of product.

## **SECTION IX - REGULATORY INFORMATION**

**DOT PROPER SHIPPING NAME:** Not regulated. Not hazardous per air regulations.

Not regulated per IATA/ICAO

**TOXIC SUBSTANCE CONTROL ACT:** All chemicals comprising this product are listed on the TSCA inventory.

**USER'S RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions, in addition to those described herein, are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

**DISCLAIMER:** The information contained herein is, to the best of our knowledge and belief, accurate and current as of the date of this MSDS. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.