

MATERIAL SAFETY DATA SHEET

Company Name: C.R. LAURENCE CO., INC.
Address: 2503 E. VERNON AVE.
City / State / Zip: LOS ANGELES / CA / 90058
US-CHEMTREC Phone(I): (800)424-9300
US-CHEMTREC Phone(II): (703)527-3887
CAN-CANUTEC Phone: (613)996-6666
Vendor Update: 12/16/2002
Date Prepared: 2/27/2003
MSDS Number: EF112B ; EF112C ; EF114B ; EF114C ; EF12B ; EF12C ;
 EF14B ; EF14C ; EF1B ; EF1C ; EF2B ; EF2C ; EF34B ;
 EF34C ; EF38B ; EF38C ; EF58B ; EF58C ; RF14B ;
 RF14C ; SR112B ; SR112C ; SR118B ; SR118C ; SR2B ;
 SR2C ; SR38B ; SR38C ; SR58B ; SR58C ; SR78B ;
 SR78C ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: BACKER ROD
HMIS Ratings:
NFPA Ratings:

Health: Minimal(0)
 Flammability: Slight(1)
 Instability/Reactivity: Minimal(0)

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
POLYETHYLENE	009002-8804	75-100					
Notes							
ISOBUTANE	000075-20-5	0-10	800 PPM				
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**Eyes:**

DUST MAY CAUSE IRRITATION OR EYE INJURY DUE TO MECHANICAL ACTION. FUMES/VAPORS EMITTED DURING HOT-WIRE CUTTING MAY CAUSE EYE IRRITATION.

Skin:

NON-IRRITATING TO SKIN. SKIN ABSORPTION IS UNLIKELY.

Ingestion:

NONE DETERMINED.

Inhalation:

DUST MAY CAUSE IRRITATION TO THE NOSE, THROAT AND LUNGS. FUMES/VAPORS GENERATED DURING HOT-WIRE CUTTING MAY CAUSE RESPIRATORY IRRITATION. CONCENTRATIONS OF THE ISOBUTANE BLOWING AGENT INCIDENTAL TO PROPER HANDLING OF THE PRODUCT ARE EXPECTED TO BE WELL BELOW THE ACGIH RECOMMENDED EXPOSURE LIMIT OF 800 PPM.

Signs and Symptoms of Exposure:**IV. FIRST AID MEASURES****Eyes:**

FLUSH EYES WITH CLEAN, LUKEWARM WATER (LOW PRESSURE) OCCASIONALLY LIFTING EYELIDS.

Skin:

WASH WITH SOAP AND WATER.

Ingestion: CONSULT PHYSICIAN.

Inhalation: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

Flash Point: -117°F (ISOBUTANE)

Test Method: TOC

Lower Flammability Limit: 1.6% BY VOLUME

Upper Flammability Limit: 8.4% BY VOLUME

Extinguishing Agents: WATER

Fire Fighting Procedures: FULL EMERGENCY EQUIPMENT WITH PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY FIREFIGHTERS. DURING A FIRE, IRRITATING AND HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: NO SPECIAL PRECAUTIONS ARE NECESSARY.

Other: THIS PRODUCT IS A NON-HAZARDOUS WASTE WHEN SPILLED OR DISPOSED OF, AS DEFINED IN RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) REGULATIONS (40 CFR 261).

VII. HANDLING AND STORAGE

Other: SPECIAL PRECAUTIONS: FLAMMABLE VAPORS OF ISOBUTANE MAY BE GENERATED DURING UNVENTILATED STORAGE OF LARGE AMOUNTS OF THIS PRODUCT (FOR EXAMPLE, IN STORAGE TRAILERS). WARNINGS: TO PREVENT THE BUILD-UP OF FLAMMABLE VAPORS, DO NOT STORE LARGE QUANTITIES OF THIS PRODUCT IN UNVENTILATED SPACES. TRANSPORT BULK SHIPMENTS OF THE PRODUCT IN VENTILATED TRAILERS ONLY. TO PREVENT POTENTIAL FIRE OR EXPLOSION, DO NOT WELD OR APPLY INTENSE HEAT TO CLOSED CONTAINERS WHICH CONTAIN THIS PRODUCT. OPEN CLOSED CONTAINERS IN A WELL-VENTILATED AREA AWAY FROM SPARKS OR OPEN FLAMES. THIS PRODUCT IS COMBUSTIBLE AND SHOULD NOT BE EXPOSED TO SPARKS OR OPEN FLAMES. LARGE QUANTITIES OF THIS PRODUCT CAN BURN RAPIDLY AND RELEASE TOXIC GASES, INCLUDING CARBON MONOXIDE. FABRICATION METHODS INVOLVING CUTTING OF THIS PRODUCT MAY RELEASE ISOBUTANE REMAINING IN THE FOAM CELL STRUCTURE. PROVIDE ADEQUATE VENTILATION TO ENSURE THAT ISOBUTANE CONCENTRATIONS REMAIN BELOW THE ACGIH THRESHOLD LIMIT VALUE (TLV) OF 800 PPM AND THE LOWER FLAMMABLE LIMIT OF 1.8% IN AIR BY VOLUME TO PROTECT WORKERS AND ELIMINATE THE POSSIBILITY OF DEVELOPING FLAMMABLE OR HAZARDOUS CONCENTRATIONS.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: WEAR TIGHT-FITTING SAFETY GOGGLES IF THERE IS A POTENTIAL FOR EXPOSURE TO FLYING PARTICLES.

Skin: NO SPECIAL PRECAUTIONS.

NO PROTECTION IS REQUIRED IF ISOBUTANE LEVELS ARE MAINTAINED

Respiratory: BELOW THE ACGIH TLV OF 800 PPM. FOR EXPOSURES ABOVE THE TLV, TAKE INTO CONSIDERATION THE TYPE OF APPLICATION, ENVIRONMENTAL CONCENTRATIONS AND MATERIALS BEING USED CONCURRENTLY WHEN SELECTING A RESPIRATOR. OBSERVE OSHA REGULATIONS FOR RESPIRATOR USE (29 CFR 1910.134).

Engineering: PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE ISOBUTANE LEVELS BELOW THE ACGIH TLV OF 800 PPM.

Other: EXPOSURE LIMITS: NOT ESTABLISHED FOR PRODUCTS AS A WHOLE.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: FLEXIBLE SOLID

Boiling Point: N/A

Solubility in Water: INSOLUBLE

Vapor Pressure: N/A

Vapor Density: N/A

Other: DENSITY: 0-35 LB/FT³. * RESIDUAL ISOBUTANE IS COLORLESS, WITH A GASOLINE-LIKE OR NATURAL GAS ODOR. BUTANE IS REPORTED TO BE DETECTABLE BY ODOR AT A RANGE OF 1262-5048 PPM (AIHA, 1989).

X. STABILITY AND REACTIVITY

Stability: THIS IS A STABLE MATERIAL.

Hazardous Polymerization: WILL NOT OCCUR.

Hazardous Decomposition Products: CARBON MONOXIDE AND OTHER TOXIC GASES ARE GENERATED UNDER COMBUSTIBLE CONDITIONS.

Incompatible Products: STRONG OXIDIZING AGENTS.

XI. TOXICOLOGICAL INFORMATION

XII. ECOLOGICAL INFORMATION

Other: THIS PRODUCT IS INERT TO THE ENVIRONMENT AND IS NOT EXPECTED TO EXHIBIT ANY SIGNIFICANT BIODEGRADATION.

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: WASTE MAY BE REUSED, RECYCLED OR BURIED IN AN APPROVED LANDFILL. FOLLOW ALL REGULATORY REQUIREMENTS FOR DISPOSAL.

Other: RCRA STATUS: IF DISCARDED IN ITS PURCHASED FORM, THIS PRODUCT WOULD NOT BE A HAZARDOUS WASTE EITHER BY LISTING OR BY CHARACTERISTIC. HOWEVER, UNDER RCRA, IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE (40 CFR 261.20-24).

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: NOT REGULATED

Other: TECHNICAL SHIPPING NAME: POLYETHYLENE PLASTIC FOAM.

XV. REGULATORY INFORMATION

EPA Sara Title III Chemical Listings: SECTION 311/312 HAZARD CATEGORIES: NON-HAZARDOUS.

New Jersey: ISOBUTANE, CAS NO. 000075-20-5: NEW JERSEY SPECIAL HEALTH HAZARD SUBSTANCE. NEW JERSEY WORKPLACE HAZARD SUBSTAND.

Pennsylvania: ISOBUTANE, CAS NO. 000075-20-5: PENNSYLVANIA HAZARDOUS SUBSTANCES.

Other: STATE RIGHT-TO-KNOW: THE ABOVE PRODUCT COMPONENTS ARE LISTED BY CERTAIN STATES AS HAZARDOUS SUBSTANCES NOTED BELOW.

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.