

**SAINT-GOBAIN CRYSTALS & DETECTORS  
MATERIAL SAFETY DATA SHEET**

**PRODUCT: BC-517L**

**EMERGENCY PHONE NO.  
(440) 564-2251**

**SECTION 1 SUPPLIER INFORMATION**

**COMMON NAME : BC-517L**  
**CHEMICAL NAME : Liquid Scintillator**  
**FORMULA : Mixed**  
**PRODUCT CAS # : Proprietary**  
**SUPPLIER : SGC&D**  
**ADDRESS : 12345 KINSMAN ROAD**  
**CITY/STATE/ZIP : NEWBURY, OH 44065**  
**PHONE : (440)564-2251**  
**TELEFAX : (440)564-8047**

**SECTION II HAZARDOUS INGREDIENT INFORMATION**

<b>INGREDIENT</b>	<b>%WT. PEL-OSHA</b>	<b>TLV-ACGIH</b>
<b>Pseudocumene</b>	<b>&gt;30</b>	<b>Not determined 25ppm</b>
<b>Mineral Oil</b>	<b>&lt;60</b>	<b>5mg/m<sup>3</sup> 5mg/m<sup>3</sup></b>
<b>Fluors</b>	<b>0.2</b>	<b>Not determined Not determined</b>

**INGREDIENT HAZARD STATEMENT**

**NOTE: None**

**SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT : 253°C @ 760mm Hg**  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1) : 0.86 @ 20°C**  
**MELTING POINT : N/A**  
**VAPOR PRESSURE (mmHg) : <1mm @ 20°C**  
**VAPOR DENSITY (air=1) : approx. 4**

**MATERIAL SAFETY DATA SHEET**

Page 2 Date: January 17, 2003

**EVAPORATION RATE (BUTYL ACETATE=1):** >70  
**% SOLUBILITY/WATER:**

**APPEARANCE AND ODOR:** Clear, oily liquid with an aromatic odor.

<b>SECTION IV FIRE AND EXPLOSION HAZARD DATA</b>
--

**FLASH POINT:** 215° F  
**AUTO-IGNITION:** Not known  
**LEL:** 1%  
**UEL:** Not known  
**NFPA HAZARD CLASSIFICATION**

**HEALTH: 1      FLAMMABLE: 1      REACTIVITY: 0**

**HMIS HAZARD CLASSIFICATION**

**HEALTH: 1      FLAMMABLE: 1      REACTIVITY: 0**

**EXTINGUISHING MEDIA:** Foam, carbon dioxide or dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors of heated material are heavier than air and may travel back to a source of ignition.

<b>SECTION V REACTIVITY DATA</b>
----------------------------------

**STABILITY:** Stable under normal conditions of use.  
**AVOID**

**INCOMPATIBILITY:** Strong oxidizers

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** May form toxic by-products such as carbon dioxide, carbon monoxide and various hydrocarbons.

**POLYMERIZATION:** Will not occur under normal conditions.

**AVOID:** Avoid contact with strong oxidizers (e.g. nitric acid, permanganates, etc.)

<b>SECTION VI HEALTH HAZARD DATA</b>
--------------------------------------

**ROUTES OF ENTRY**

**EYES: Yes SKIN: Yes INHALATION: Yes INGESTION: Yes**

**EFFECTS OF OVEREXPOSURE**

**EYE: May cause irritation, redness, tearing, blurred vision**

**SKIN: May cause defatting, drying of the skin**

**INHALATION: May irritate the upper respiratory tract. Severe overexposure may cause cardiac abnormalities.**

**INGESTION: May cause gastrointestinal irritation.**

**NOTE:**

**CARCINOGENICITY:**

**NTP: No IARC: No OSHA: No**

**CHRONIC HEALTH HAZARD: Chronic, severe exposure may cause cardiac abnormalities.**

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

**May irritate pre-existing eye, skin, respiratory conditions.**

**EMERGENCY FIRST AID**

**EYE AND SKIN CONTACT: Flush with water for 15 minutes, get medical attention.**

**INHALATION: Remove to fresh air. Get medical attention.**

**INGESTION: DO NOT INDUCE VOMITING! Get immediate medical attention. If vomiting occurs material can be aspirated into the lungs causing chemical pneumonitis which can be fatal.**

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

**EPA: WASTE #:** None

**UN #:** NA 1993

**DOT CLASSIFICATION:** Combustable liquid, N.O.S (Pseudocumene), NA 1993 III

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

Stop leak, clean up material with absorbent, hold for disposal.

**WASTE DISPOSAL METHOD:** Follow Federal, state, local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

**SECTION VIII CONTROL MEASURES**

**RESPIRATORY PROTECTION:** Wear an approved respirator if exposed over the TLV.

**VENTILATION:** Provide general ventilation, local exhaust if needed.

**PROTECTIVE EQUIPMENT:** Wear chemically impervious gloves, clothing and boots.

**WORK/HYGIENE PRACTICES:** Always wash up after use.

**SECTION IX FEDERAL AND STATE REGULATIONS**

**SARA HAZARD CATEGORIES**

**IMMEDIATE (ACUTE) HEALTH HAZARD:** YES [ ] NO [X]

**DELAYED (CHRONIC) HEALTH HAZARD:** YES [ ] NO [X]

**FIRE HAZARD:** YES [ ] NO [X]

**REACTIVITY HAZARD:** YES [ ] NO [X]

**SUDDEN RELEASE OF PRESSURE:** YES [ ] NO [X]

**SARA SECTION 313 NOTIFICATION:** NONE

THIS PRODUCT MAY CONTAIN A TOXIC CHEMICAL (OR CHEMICALS) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

<b>CHEMICAL NAME:</b>	<b>CAS #</b>	<b>%WT.</b>
Pseudocumene	95-63-6	>30

INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE, AND IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF, BUT IS NOT GUARANTEED TO BE SO. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, EXCEPT THOSE THAT MAY BE CONTAINED IN OUR WRITTEN CONTRACT OF SALE OR ACKNOWLEDGMENT.