

CAIN MANUFACTURING COMPANY, INC.  
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24 HOUR TRANSPORTATION EMERGENCY 800-424-9300

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1: IDENTITY

TRADE NAME: DUCTBUTTER Sealant Models: DB 5, DB 1, DB 110  
CHEMICAL NAME: Styrene-Butadiene Sealer 66 x 1161-75

SECTION 2: COMPONENT/ INGREDIENT INFORMATION

<u>HAZARDOUS COMPONENTS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>CAS#</u>
N-Hexane (27-32%)	500ppm	50ppm	N/A	110-54-3
C6 Isomers of Hexane**	500ppm	500ppm	STEL1000ppm	N/E

\*\* C6 Isomers of Hexane is a component of N-Hexane.

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

APPEARANCE & ODOR: Gray in color, paste appearance, solvent odor.  
SOLUBILITY IN WATER: Insoluble  
VOLATILE BY VOLUME: 30%  
BOILING POINT: 151-159 Degrees F.  
VAPOR DENSITY: Greater than 1 Air = 1  
VAPOR PRESSURE: 140 @ 20 C (mm Hg)  
EVAPORATION RATE: 8.1 Butyl Acetate = 1  
SPECIFIC GRAVITY: 1.07 Water = 1

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 0 DEGREE F.  
METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR % BY VOLUME: LEL 1.2% UEL 7.5%  
EXTINGUISHER MEDIA: CO2, Dry Chemical, Foam, Halon  
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus must be worn.  
UNUSUAL FIRE & EXPLOSION HAZARDS: Cool drums with water spray to prevent pressure explosion. Vapors may ignite explosively.

SECTION 5: PHYSICAL HAZARDS / REACTIVITY DATA

STABILITY: Stable.  
CONDITIONS TO AVOID: Strong oxidizers, flames, sparks, or extreme heat.  
INCOMPATIBILITY (materials to avoid): Strong oxidizers and acids.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition may yield oxides of carbon such as carbon monoxide, HCL and carbon dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur.

**SECTION 6: HEALTH HAZARDS AND TOXICITY**

**INGESTION:** Unlikely route of exposure. Ingesting this product may cause numbness, respiratory tract irritation and muscle weakness. This product has a low order of acute oral toxicity.

**SKIN:** Single, short exposure should not cause skin irritation. Frequent, repeated exposure may cause defatting of skin. This product has a low order of acute dermal toxicity.

**EYES:** If this product is splashed into the eyes, it may cause eye irritation.

**INHALATION:** Overexposure to this product may cause lightheadedness, nausea, dizziness, giddiness, or breathing difficulties. Severe overexposure may cause unconsciousness and asphyxiation. Damage to the Central Nervous System, liver, and kidneys could result from chronic continual overexposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Central and peripheral nervous systems and pre-existing skin disorders.

**NOTE TO PHYSICIAN:** Chemical is listed as a potential carcinogen or carcinogen by:

I.A.R.C. MONOGRAPHS:	<u>  x  </u>	YES*	<u>      </u>	NO
NATIONAL TOXICOLOGY PROGRAM:	<u>      </u>	YES	<u>  x  </u>	NO
OSHA:	<u>      </u>	YES	<u>  x  </u>	NO
OTHER:	<u>      </u>	YES	<u>  x  </u>	NO

\*Animal Positive 33, 87, 84

Lifetime skin painting studies conducted by IARC have shown this type of product causes skin cancer in test animals. The substance was applied to the shaved backs of mice at regular intervals, without cleanup between applications. In view of these findings, there may be a potential risk of skin cancer in humans from prolonged or repeated contact with this product in the absence of good personal hygiene.

Limited studies on oils that are very active carcinogens have shown that washing the animals' skin with soap and water between applications greatly reduces tumor formation.

**SECTION 7: FIRST AID**

**INHALATION:** If odor is offensive, use dilution ventilation or exhaust locally to reduce concentration. If exposure exceeds occupational exposure limits use a NIOSH/MSHA approved respirator to prevent overexposure. If overexposed move the exposed person to fresh air at once. If breathing continues to be difficult, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration. Get medical attention as soon as possible.

**EYES:** Wash eyes immediately with large amounts of water, lifting the upper and lower lids occasionally. If irritation persists after washing, get medical attention.

**SKIN:** If dryness, chapping or a rash develops wear impervious

gloves or use a barrier cream. If this product gets on the skin promptly wash the contaminated area with soap and water. If this product soaks through the clothing, remove contaminated clothing and wash the affected area. Launder clothing before reusing.

**INGESTION:** If this product is swallowed do not induce vomiting. Get medical attention immediately.

**POTENTIAL RISKS:** Potential risks to humans can be minimized by observing good work practices and personal hygiene procedures generally recommended for petroleum products.

#### **SECTION 8: SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** If permissible exposure limits of the product or any component is exceeded, a NOISH/MSHA jointly approved air supply respirator is advised in absence of proper environmental controls. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

**VENTILATION:** Use only with good cross ventilation to avoid build-up of harmful vapors. Local exhaust is generally required to reduce exposure below OSHA allowable levels. Use explosion proof motor and fixtures only.

**PROTECTIVE GLOVES:** Wear impervious gloves if direct skin contact is made with product in a liquid state.

**EYE PROTECTION:** Not required, unless working overhead or in an area where the material may come in contact with the eyes. Contact lens should not be worn when working with this product.

**OTHER PROTECTIVE EQUIPMENT:** Impervious clothing should be worn to prevent repeated or prolonged skin contact with the product in a liquid state.

**OTHER:** Wash hands with soap and water or a skin cleanser before eating, drinking, smoking, or using toilet facilities.

#### **SECTION 9: STORAGE & HANDLING PRECAUTIONS**

Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. This product should not be allowed to enter a confined space, such as a sewer, because of the possibility of vapor build-up, possibly allowing an explosion. Persons should avoid breathing vapors.

#### **SECTION 10: SPILL/LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Due to the high viscosity of this product a spill is unlikely. If a spill does occur, absorb with a cloth or absorbent material. Remove and eliminate all sources of ignition. Ventilate area of spill or leak.

**WASTE DISPOSAL METHODS:** Contaminated absorbent material or waste

product must be disposed of in accordance with regulation in the Resource Conservation and Recovery Act and/or state, local or EPA regulations.

**DISCLAIMER:** Cain Manufacturing Company, Inc. provides the information herein in compliance with the Federal Hazard Communication Standard, 29 CFR 1910.1200 to give warning of actual and assumed hazards and to inform of generally applicable precautions and control measures which are known to Cain. The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability or fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use. This information and product are furnished on the condition that the persons receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of the use thereof.

The material represented in this report was accumulated from information supplied by Imperial Adhesives, Inc., 6100 Centennial Blvd., Nashville, TN, (615) 350-8555, who is the manufacturer of this product for Cain Manufacturing Company, Inc.

**DATE OF PREPARATION:** February 5, 1992

NA = not applicable  
NE = not established