

MSDS: 107 REVISION: 005  
REVISION DATE: 01/31/90HILTI, INC.  
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## MATERIAL SAFETY DATA SHEET

SYRACUSE CITY SCHOOL DIST  
725 HARRISON ST  
SYRACUSE NY 13210DATE: 02/22/91  
INVOICE NUMBER: 64899301  
PURCHASE ORDER NUMBER: K 59250C  
PRODUCT NAME: CB 120 FILLER FOAM  
DESCRIPTION: POLYURETHANE FOAM

## HAZARDOUS INGREDIENTS

INGREDIENTS:	%	CAS NUMBER:	EXPOSURE LIMITS:	
TRICHLOROFLUOROMETHANE	---	00075-69-4	PEL-C: 1,000 PPM	TLV-C: 1,000 PPM
DICHLORODIFLUOROMETHANE	---	00075-71-8	PEL: 1,000 PPM	TLV: 1,000 PPM
DIMETHYL ETHER	---	00115-10-6	NONE ESTABLISHED	
POLYETHER POLYOL	---	25322-69-4	NONE ESTABLISHED	
TRISCHLOROETHYL PHOSPHATE	---	00306-52-5	NONE ESTABLISHED	
DIPHENYLMETHANE DIISOCYANATE (MDI)	---	25686-28-6	PEL-C: 0.02 PPM	TLV: 0.005 PPM
SILICONE STABILIZER	---	12003-51-9	NONE ESTABLISHED	
TERTIARY AMINES	---	06425-39-4	NONE ESTABLISHED	

PEL = OSHA PERMISSIBLE EXPOSURE LIMIT. TLV = ACGIH THRESHOLD LIMIT VALUE. THESE ARE 8 HOUR TIME-WEIGHTED AVERAGES UNLESS OTHERWISE INDICATED BY "C" (CEILING) OR "STEL" (SHORT TERM EXPOSURE LIMIT).

## PHYSICAL DATA

APPEARANCE AND ODOR: BROWN LIQUID EXPANDING TO BRIGHT BROWN FOAM ON CONTACT WITH AIR.  
 BOILING POINT: NOT DETERMINED  
 VAPOR PRESSURE: NOT DETERMINED  
 EVAPORATION RATE: NOT APPLICABLE  
 SPECIFIC GRAVITY: 1.26  
 MELTING POINT: NOT DETERMINED  
 VAPOR DENSITY: NOT DETERMINED  
 SOLUBILITY IN WATER: NOT APPLICABLE  
 PH: NOT DETERMINED

## FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: > 390 F  
 EXTINGUISHING MEDIA: CO<sub>2</sub>, DRY CHEMICAL, FOAM.  
 SPECIAL FIRE FIGHTING PROCEDURES: WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: OVERHEATED CANS CAN RUPTURE FROM PRESSURE BUILD-UP.  
 FLAMMABLE LIMITS: NOT APPLICABLE

## REACTIVITY DATA

STABILITY: STABLE  
 INCOMPATIBILITY: WATER, ALCOHOLS, STRONG BASES, ALKALI METAL COMPOUNDS.  
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, ISOCYANATES, NITROUS OXIDE.  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.  
 CONDITIONS TO AVOID: EXCESS HEAT. CONTACT WITH AIR OR MOISTURE WILL CAUSE FOAM TO POLYMERIZE (CURE).

## HEALTH HAZARD DATA

KNOWN HAZARDS: EYE, SKIN AND RESPIRATORY IRRITATION. DIPHENYLMETHANE DIISOCYANATE IS AN ALLERGIC SENSITIZER.  
 CARCINOGENICITY: NO INGREDIENTS ARE LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
 PRIMARY ROUTES OF EXPOSURE: DERMAL AND INHALATION.  
 SIGNS AND SYMPTOMS OF EXPOSURE: EYE AND SKIN CONTACT CAN CAUSE IRRITATION. VAPOR GENERATED WHEN HEATED TO TEMPERATURES EXCEEDING 100 F CAN CAUSE IRRITATION OF THE BREATHING TRACT. SOME INDIVIDUALS DEVELOP AN ALLERGIC RESPONSE TO ISOCYANATES RESULTING IN AN ASTHMATIC-LIKE RESPONSE. SHOULD THIS OCCUR, IMMEDIATELY MOVE TO FRESH AIR. FUTURE USE OF THIS PRODUCT SHOULD BE AVOIDED BY SUCH INDIVIDUALS.  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: EYE, SKIN AND RESPIRATORY CONDITIONS.

## EMERGENCY AND FIRST AID PROCEDURES

EYES: WASH WITH LARGE AMOUNTS OF CLEAN WATER. CALL A PHYSICIAN.

SKIN: REMOVE FROM SKIN IMMEDIATELY. WASH THOROUGHLY WITH SOAP AND WARM WATER. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION: MOVE VICTIM TO FRESH AIR. GIVE OXYGEN AND/OR ARTIFICIAL RESPIRATION IF NEEDED. CALL A PHYSICIAN.

INGESTION: GIVE PLENTY OF WATER TO DILUTE. CONTACT A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

OTHER: REFERRAL TO A PHYSICIAN IS RECOMMENDED IF THERE IS ANY QUESTION ABOUT THE SERIOUSNESS OF THE INJURY/EXPOSURE.

#### CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

VENTILATION: GENERAL (I.E. NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN VAPOR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS).

EYE PROTECTION: SAFETY GLASSES OR GOGGLES.

SKIN PROTECTION: GLOVES (IMPERMEABLE SUGGESTED).

RESPIRATORY PROTECTION: USE A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR WHERE VENTILATION IS INADEQUATE TO KEEP VAPORS BELOW THE RECOMMENDED EXPOSURE LIMITS. A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IS REQUIRED FOR MDI EXPOSURES ABOVE THE TLV OR PEL.

#### PRECAUTIONS FOR SAFE HANDLING AND USE

HANDLING AND STORING PRECAUTIONS: AVOID CONTACT WITH EYES AND SKIN. KEEP AWAY FROM CHILDREN. CONTENTS UNDER PRESSURE. DO NOT STORE ABOVE 100 F. STORE IN A COOL, DRY PLACE. DO NOT STORE IN DIRECT SUNLIGHT.

SPILL PROCEDURES: BB-120 FILLER FOAM WILL POLYMERIZE (CURE) UPON CONTACT WITH AIR/MOISTURE. ALLOW PRODUCT TO CURE, THEN REMOVE FOR DISPOSAL.

#### REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD. THIS PRODUCT IS A HAZARDOUS CHEMICAL ACCORDING TO THAT STANDARD.

DOT PROPER SHIPPING NAME: COMPRESSED GAS, N.O.S., (CONTAINS TRICHLOROFLUOROMETHANE AND DICHLORODIFLUOROMETHANE), NONFLAMMABLE GAS, UN1958

TSCA INVENTORY STATUS: CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III, SECTION 313: THIS PRODUCT DOES NOT CONTAIN ANY TOXIC CHEMICALS SUBJECT TO REPORTING UNDER SECTION 313 OF SARA TITLE III (40 CFR PART 372).

WASTE DISPOSAL METHODS: CONSULT WITH REGULATORY AGENCIES OR CORPORATE PERSONNEL FOR DISPOSAL METHODS THAT COMPLY WITH LOCAL, STATE, AND FEDERAL HEALTH AND ENVIRONMENTAL REGULATIONS.

CONTACTS: TECHNICAL: STEVE BOWLING  
HEALTH/SAFETY: STEVE GERRARD

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