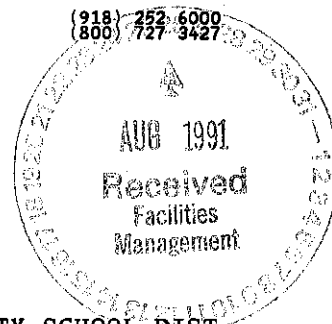


MSDS: 103 REVISION: 006
REVISION DATE: 05/07/91HILTI, INC.
5400 S. 122ND EAST AVE.
TULSA, OK 74146

TELEPHONE:

(918) 252-6000
(800) 727-3427

MATERIAL SAFETY DATA SHEET

SYRACUSE CITY SCHOOL DIST
725 HARRISON ST
SYRACUSE NY 13210

SHIP-TO ADDRESS:

SYRACUSE CITY SCHOOL DIST
ATTN PROPERTY CONTROL
SYRACUSE NY 13204DATE: 08/21/91
INVOICE NUMBER: 05161801
PURCHASE ORDER NUMBER: K 69273C

PRODUCT NAME: CB 120-R1 CLEANER

DESCRIPTION: CLEANING AGENT FOR CB 120-P2 DISPENSER

HAZARDOUS INGREDIENTS

INGREDIENTS:	%	CAS NUMBER:	EXPOSURE LIMITS:
ACETONE	--	00067-64-1	PEL: 750 PPM, TLV: 750 PPM, STEL: 1000 PPM
2-PROPANOL	--	00067-63-0	PEL: 400 PPM, TLV: 400 PPM, STEL: 500 PPM
BUTANE	--	00106-97-8	PEL: 800 PPM, TLV: 800 PPM
PROPANE	--	00074-98-6	PEL: 1000 PPM

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: CLEAR AEROSOL SPRAY WITH ALCOHOL ODOR.

BOILING POINT: NOT DETERMINED

MELTING POINT: NOT DETERMINED

VAPOR PRESSURE: NOT DETERMINED

VAPOR DENSITY: NOT DETERMINED

EVAPORATION RATE: > 3.0

SOLUBILITY IN WATER: NIL

SPECIFIC GRAVITY: 0.72

PH: NOT DETERMINED

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: - 4 F (-20 C)

FLAMMABLE LIMITS: LOWER = 1.4% UPPER = 12.8%

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, WATER

SPECIAL FIRE FIGHTING PROCEDURES: CONTENTS UNDER PRESSURE. COOL EXPOSED CONTAINERS WITH WATER SPRAY. A SELF CONTAINED BREATHING APPARATUS (SCBA) SHOULD BE USED IN FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTAINERS CAN EXPLODE OR BE PROPELLED THROUGH THE AIR WHEN EXPOSED TO EXTREME HEAT SUCH AS FIRE. THERMAL DECOMPOSITION AND COMBUSTION PRODUCTS CAN BE FORMED, SEE BELOW.

REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: EXCESS HEAT, STRONG OXIDIZERS AND ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: PRODUCTS OF COMBUSTION; CO AND CO2.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: OPEN FLAMES OR SPARKS. STORAGE ABOVE 120 F. MOISTURE.

HEALTH HAZARD DATA

KNOWN HAZARDS: CAUSES SKIN AND EYE IRRITATION. CENTRAL NERVOUS SYSTEM (CNS) DEPRESSANT.

CARCINOGENICITY: NO INGREDIENTS ARE CONSIDERED TO BE CARCINOGENS BY IARC, NTP OR OSHA.

PRIMARY ROUTES OF EXPOSURE: DERMAL. INHALATION.

SIGNS AND SYMPTOMS OF EXPOSURE: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE IRRITATION AND DEFATTING OF THE SKIN. IRRITATION AND CORNEAL BURNS CAN OCCUR FROM DIRECT CONTACT WITH THE EYE. CAN BE IRRITATING TO THE RESPIRATORY TRACT IF INHALED. HEADACHES AND DIZZINESS CAN OCCUR FROM EXCESSIVE EXPOSURE IN POORLY VENTILATED AREAS.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: SKIN AND EYE CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER.

INHALATION: MOVE TO FRESH AIR. CALL A PHYSICIAN IF ILL EFFECTS OCCUR.

INGESTION: IF CONSCIOUS, GIVE PLENTY OF WATER TO DRINK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED TO BY A PHYSICIAN.

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 (NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN VAPOR CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS).

EYE PROTECTION: SAFETY GLASSES. SPLASH-PROOF CHEMICAL GOGGLES RECOMMENDED.

SKIN PROTECTION: GLOVES RECOMMENDED WHILE CLEANING TOOLS (CLOTH OR IMPERMEABLE).

RESPIRATORY PROTECTION: NONE NORMALLY REQUIRED. A NIOSH-APPROVED RESPIRATOR (E.G. 3M8710) CAN BE USED FOR PROTECTION FROM MISTS.

PRECAUTIONS FOR SAFE HANDLING AND USE

HANDLING AND STORING PRECAUTIONS: USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. EXTREMELY HAZARDOUS LIQUID AND GAS UNDER PRESSURE. FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. DO NOT PUNCTURE OR INCINERATE CONTAINER. DO NOT EXPOSE TO HEAT OR STORE AT TEMPERATURES ABOVE 120° F (49° C). STORE INDOORS OUT OF DIRECT SUNLIGHT. KEEP OUT OF REACH OF CHILDREN.

SPILL PROCEDURES: REMOVE ALL SOURCES OF IGNITION. REMOVE SPILLAGE WITH ABSORBENT MATERIAL. PLACE IN CLOSED CONTAINER FOR DISPOSAL.

REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION: THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD. THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM-D.

TSCA INVENTORY STATUS: CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

SARA TITLE III, SECTION 313: THIS PRODUCT CONTAINS 45% ACETONE (CAS #67-64-1) WHICH IS SUBJECT TO REPORTING UNDER SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 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

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND EXPRESSED OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION PROVIDED.