

**CASEWAY INDUSTRIAL PRODUCTS, INC.**  
**14516 NEW HAMPTON PLACE**  
**FORT MYERS, FL. 33912**  
**TEL: (941) 561-1021 FAX: (941) 561-4639**

**EMERGENCY TELEPHONE NUMBER**  
**CHEM-TEL: 1-800-255-3924**

**MATERIAL SAFETY DATA SHEET**

**SC 125 ACRYLIC ADHESIVE**

MSDS DATE: 02/07/01

SUPERSEDES: 03/00

**SHIPPING INFORMATION:**

PROPER SHIPPING NAME: DICHLOROMETHANE

HAZARD CLASS OR DIVISION 6.1 PACKING GROUP: III IDENTIFICATION NUMBER: UN1593

SHIPPING LABEL: KEEP AWAY FROM FOOD \*\*SEE D.O.T. 173-(LTD QTY)

**COMPONENTS INFORMATION:**

**INGREDIENTS:** STABILIZED METHYLENE CHLORIDE (CAS 75-09-2 100% OSHA PEL 25 PPM  
 INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NONHAZARDOUS. VALUE ARE  
 NOT PRODUCT SPECIFICATIONS. GT = GREATER THAN, LT = LESS = LESS THAN, CA =  
 APPROXIMATELY.

**PHYSICAL DATA:**

**BOILING POINT:** 104°F (40°C) **VAPOR PRESSURE:** (mmHg @ 20°C): 349  
**VAPOR DENSITY (AIR=1):** 2.93 **Ph:** NOT APPLICABLE  
**SOLUBILITY IN WATER:** 1.4 G/100 ml @ 20°C  
**SPECIFIC GRAVITY: (20°/20°):** 1.33 **% VOLATILE BY VOLUME:** 100  
**APPEARANCE AND ODOR:** CLEAN, COLORLESS LIQUID WITH ETHER-LIKE ODOR

**FIRE AND EXPLOSION HAZARD DATA:**

**FLASH POINT ( AND METHOD):** DOES NOT FLASH (BY STANDARD METHODS)  
**IGNITION TEMPERATURE:** 1155-1224°F (624-662°C)  
**FLAMMABLE LIMITS:** 14-22%  
**EXTINGUISHING MEDIA:** NOT APPLICABLE (USE MEDIA SUITABLE FOR SURROUNDING FIRE.)  
**SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT:** POSITIVE PRESSURE FULL FACEPIECE SELF-CONTAINED BREATHING  
 APPARATUS AND PROTECTIVE CLOTHING IF INVOLVED IN A FIRE OF OTHER  
 MATERIALS  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** METHYLENE CHLORIDE VAPORS IN CONCENTRATIONS OF ABOUT 14-22% BY  
 VOLUME CAN BE IGNITED BY VERY HIGH ENERGY SOURCES

**REACTIVITY DATA:**

**STABILITY:** STABLE UNDER NORMAL CONDITIONS. AVOID CONTACT WITH ALUMINUM EQUIPMENT SUCH AS TANKS, PUMPS,  
 AND FITTINGS. ALUMINUM-CATALYZED DECOMPOSITION GAS CAN RUPTURE CONFINED AREAS IN THE EQUIPMENT  
 WITH EXPLOSIVE FORCE.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** METHYLENE CHLORIDE MAY BE CORROSIVE TO ALUMINUM, MAGNESIUM AND  
 TITANIUM AND THEIR ALLOYS. IN PRESENCE OF AIR AND WATER, AND ESPECIALLY  
 AT ELEVATED TEMPERATURES, IT MAY CORRODE IRON, SOME STAINLESS STEEL,  
 COPPER AND NICKEL. MAY REACT VIOLENTLY WITH ALKALI AND ALKALINE EARTH  
 METALS SUCH AS SODIUM, POTASSIUM AND BARIUM. AVOID MIXING WITH CAUSTIC  
 SODA, CAUSTIC POTASH OR OXIDIZING MATERIALS.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** THERMAL DECOMPOSITION: HYDROGEN CHLORIDE AND TRACE OF PHOSGENE  
 CHEMICAL DECOMPOSITION: HYDROGEN CHLORIDE  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**HEALTH HAZARD DATA:**

**GENERAL:** THIS HEALTH HAZARD ASSESSMENT IS BASED PRIMARILY ON INFORMATION FROM THE SCIENTIFIC LITERATURE.  
**INGESTION:** THE ACUTE ORAL LD50 IN RAT IS REPORTED TO BE IN THE RANGE 1.5-5.0 g/kg. RELATIVE TO OTHER MATERIALS, A  
 SINGLE DOSE OF THIS PRODUCT IS SLIGHTLY TOXIC BY INGESTION. SWALLOWING AN EXCESSIVE AMOUNT CAN  
 CAUSE GASTROINTESTINAL DISTURBANCES AND CENTRAL NERVOUS SYSTEM DEPRESSION.  
**FIRST AID:** DO NOT INDUCE VOMITING. GIVE 1 OR 2 GLASSES OF WATER TO DRINK AND REFER VICTIM TO MEDICAL  
 PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.  
**EYE CONTACT:** THIS MATERIAL IS MODERATELY IRRITATING IN RABBIT EYE STUDIES; A SIMILAR DEGREE OF IRRITATION WILL  
 PROBABLY OCCUR AFTER HUMAN EYE CONTACT WITH LIQUID. VAPORS CAN ALSO INDUCE EYE IRRITATION.  
**FIRST AID:** IMMEDIATELY FLUSH WITH PLENTY OF WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND  
 CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. IF REDNESS, ITCHING OR A BURNING SENSATION DEVELOPS, HAVE EYES  
 EXAMINE AND TREATED BY MEDICAL PERSONNEL.

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**HEALTH HAZARD DATA CONTINUED:**

**SKIN CONTACT:** THIS MATERIAL IS SEVERLY IRRITATING IN RABBIT DERMAL IRRITATION STUDIES. DEFATTING AND IRRITATION CAN DEVELOP FOLLOWING REPEATED/PROLONGED CONTACT WITH HUMAN SKIN. CONFINEMENT OF THIS MATERIAL ON THE SKIN AGGRAVATES SKIN INJURY AND CAN RESULT IN CHEMICAL BURNS.

**SKIN ABSORPTION:** THIS PRODUCT WILL PROBABLY NOT BE ABSORBED THROUGH HUMAN SKIN IN TOXICOLOGICALLY SIGNIFICANT AMOUNTS.

**INHALATION:** HIGH ATMOSPHERIC EXPOSURE CAN RESULT IN EYE, NASAL AND RESPIRATORY TRACT IRRITATION. THE LC50 IS APPROXIMATELY 50 g/m<sup>3</sup> (15,000 ppm) IN MICE FOR AN 8-HOUR EXPOSURE. RELATIVE TO OTHER MATERIALS, THIS MATERIAL IS PRACTICALLY NONTOXIC IN TERMS OF ACUTE EXPOSURE. MAY INDUCE CARBOXYHEMOGLOBINEMIA AND CENTRAL NERVOUS SYSTEM DEPRESSION, INCOORDINATION, UNCONSCIOUSNESS AND DEATH. AT VERY CONCENTRATIONS, METHYLENE CHLORIDE CAN INDUCE CARDIAC SENSITIZATION TO EPINEPHRINE-LIKE COMPOUNDS IN EXPERIMENTAL ANIMALS.

**FIRST AID:** REMOVE VICTIM TO FRESH AIR. IF COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS LABORED GIVE OXYGEN. CONSULT MEDICAL PERSONNEL.

**OTHER EFFECTS OF OVEREXPOSURE:** HUMANS EXPOSED REPEATEDLY TO 250-PPM METHYLENE CHLORIDE FOR 7.5 HOURS PER DAY DEVELOPED NO ADVERSE HEALTH EFFECTS. REPEATED AND/OR PROLONGED EXPOSURE TO HIGH CONCENTRATIONS HAS INDUCED LIVER AND KIDNEY EFFECTS IN EXPERIMENTAL ANIMALS. THE NATIONAL TOXICOLOGY PROGRAM (NTP) HAS ISSUED A STUDY WHICH REPORTS THAT MICE EXPOSED FOR TWO YEARS BY INHALATION TO METHYLENE CHLORIDE VAPORS AT CONCENTRATIONS OF 2000 AND 4000 PPM DEVELOPED LUNG AND LIVER BENIGN MAMMARY TUMORS. IN TWO EARLIER INHALATION STUDIES, RATS AND HAMSTERS EXPOSED TO METHYLENE CHLORIDE AT CONCENTRATIONS FROM 50-3500 PPM DID NOT DEVELOP SIGNIFICANT INCIDENCES OF EITHER MAMMARY, LUNG OR LIVER TUMORS. EPA'S SCIENCE ADVISORY BOARD RECENTLY CONCLUDED THAT THE ANIMAL EVIDENCE OF HUMAN CARCINOGENICITY IS "SUFFICIENT" TO INDICATE THAT METHYLENE CHLORIDE HAS CARCINOGENIC POTENTIAL. TWO WIDEMILOGICAL STUDIES SHOWED NO EVIDENCE OF HUMAN CARCINOGENICITY OR ANY OTHER HEALTH EFFECTS RELATED TO METHYLENE CHLORIDE EXPOSURE. THE COLLECTIVE EVIDENCE OF SEVERAL ANIMALS STUDIES AND HUMAN EXPERIENCE SUGGESTS THERE IS LITTLE CARCINOGENIC RISK FOR MAN UNDER CONTROLLED CONDITIONS OF OCCUPATIONAL EXPOSURE. CARCINOGENIC CLASSIFICATION: IARC - POSSIBLE CARCINOGEN; NTP - POTENTIAL CARCINOGEN; ACGIH - SUSPECTED CARCINOGEN.

**NOTE TO PHYSICIAN:** METHYLENE CHLORIDE IS METABOLIZED TO CARBON MONOXIDE; THE RESULTING ELEVATED CARBOXYHEMOGLOBIN LEVELS REDUCE THE OXYGEN-CARRYING CAPACITY OF THE BLOOD. THE EFFECTS OF CARBON MONOXIDE AND METHYLENE CHLORIDE ARE THEREFORE ADDITIVE. THIS PRODUCT CAN INDUCE CARDIAN SENSITIZATION TO CIRCULATING EPINEPHRINE-LIKE COMPOUNDS, RESULTANT CARDIAC ARRHYMIAS HAVE BEEN PRODUCED IN ANIMAL STUDIES, BUT HAVE NOT BEEN REPORTED IN HUMAN EXPERIENCE AFTER METHYLENE CHLORIDE EXPOSURES.

GASTRIC LAVAGE MAY BE EFFECTIVE IF PERFORMED WITHIN FOUR HOURS OF INGESTION. DO NOT ADMINISTER ADRENALIN OR SIMILAR SYMPATHOMIMETIC DRUGS FOLLOWING OVEREXPOSURE TO THIS PRODUCT OR ALLOW VIGOROUS EXERCISE FOR 24 HOURS FOLLOWING POTENTIALLY TOXIC EXPOSURES.

**SPILL OR LEAK DATA:**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** EVACUATE AND VENTILATE THE SPILL AREA. WEAR SKIN AND EYE PROTECTION AND A POSITIVE PRESSURE AIR-SUPPLIED RESPIRATOR DURING CLEAN-UP. HIGH VAPOR CONCENTRATIONS CAN RAPIDLY ACCULATE IN AN ENCLOSED OR POORLY VENTILATED SPACE. CONTAIN THE SPILL. PREVENT LIQUID FROM ENTERING SEWERS. SOAK UP LIQUID WITH ABSORBENT AND SHOVEL INTO WASTE CONTAINER. REMOVE CONTAINER FROM WORK AREA.

**DISPOSAL METHOD:** DISCARDED PRODUCT IS A HAZARDOUS WASTE, NUMBER U-080 UNDER RCRA 40 FR 261.33. IN DEGREASING OPERATIONS, SPENT METHYLENE CHLORIDE AND SLUDGES FROM RECOVERY OF THIS MATERIAL IS HAZARDOUS WASTE, NO. F001, UNDER RCRA, 40 CFR 261.31. ALSO SPENT METHYLENE CHLORIDE AND STILL BOTTOMS FROM RECOVERY OF THIS MATERIAL ARE HAZARDOUS WASTES, NO. F002, UNDER RCRA, 40 CFR 261.31.

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**SPILL OR LEAK DATA CONTINUED:**

DISPOSE OF THESE MATERIALS IN A FACILITY FOR HAZARDOUS WASTE.

**CONTAINER DISPOSAL:** EMPTIED CONTAINER RETAINS HAZARDOUS PRODUCT RESIDUE. OBSERVE ALL HAZARD PRECAUTIONS. DO NOT DISTRIBUTE, MAKE AVAILABLE, FURNISH OR REUSE EMPTY CONTAINER EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT. ENSURE CONTAINER IS COMPLETELY EMPTY. PUNCTURE OR OTHERWISE OTHERWISE DESTROY EMPTY CONTAINER BEFORE DISPOSAL.

**SPECIAL PROTECTION DATA:**

**TLV @ OR SUGGESTED CONTROL VALUE:** THE ACGIH TLV IS 50 PPM TWA. ON JANUARY 10, 1997, OSHA ISSUED A RULE REVISING THE PEL FOR METHYLENE CHLORIDE TO 25 PPM 8-HOUR TWA, AND A STEL OF 125 PPM. THIS RULE ALSO ESTABLISHED AN ACTION LEVEL OF 12.5 PPM, WITH ADDITIONAL REQUIREMENTS RELATING TO WORKER EXPOSURE LEVELS.

SINCE THE EFFECTS OF METHYLENE CHLORIDE VAPORS AND CARBON MONOXIDE ARE ADDITIVE, CARBON MONOXIDE CONCENTRATION MUST BE TAKEN INTO ACCOUNT WHEN CONTROLLING METHYLENE CHLORIDE EXPOSURES.

**VENTILATION:** VENTILATE LOW-LYING AREAS SUCH AS SUMPS OR PITS WHERE DENSE VAPORS MAY COLLECT. PROVIDE LOCAL EXHAUST IF TLV IS EXCEEDED.

**RESPIRATORY PROTECTION (SPECIFY TYPE):** IF NEEDED, USE MSHA/NIOSH APPROVED SUPPLIED AIR RESPIRATORS. FOR EMERGENCY ESCAPE OR FOR HIGH CONCENTRATIONS AND OXYGEN-DEFICIENT ATMOSPHERES. USE POSITIVE PRESSURE FULL FACEPIECE SELF-CONTAINED BREATHING APPARATUS OR A FULL FACEPIECE PRESSURE DEMAND SUPPLIED-AIR RESPIRATOR WITH AN AUXILIARY SELF-CONTAINED AIR SUPPLY.

**PROTECTIVE CLOTHING:** WEAR PROTECTIVE GLOVES, ARMLETS AND APRON. VITON AND PVA GLOVES, ARMLETS AND APRONS ARE RECOMMENDED BY SOME MANUFACTURERS. CHANGE GLOVES, ARMLETS AND APRON AFTER GROSS CONTACT WITH METHYLENE CHLORIDE.

**EYE PROTECTION:** CHEMICAL TIGHT GOGGLES; FULL FACESHIELD IN ADDITION IF SPLASHING IS POSSIBLE.

**OTHER PROTECTIVE EQUIPMENT:** EYEWASH STATION AND SAFETY SHOWER IN WORK AREA.

**SPECIAL PRECAUTIONS OR OTHER DATA:**

**PRECAUTIONS TO BE TAKEN IN HANDLING OR STORING:** KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. STORE IN WELL-VENTILATED AREAS AWAY FROM SOURCES OF HEAT AND DIRECT SUNLIGHT. DO NOT STORE DEGREASER SLUDGE IN TIGHTLY SEALED CONTAINERS. WORKERS WHO HAVE A HISTORY OF CARDIOVASCULAR DISEASE AND/OR ARE CIGARETTE SMOKERS WILL BE AT INCREASED RISK IF EXPOSED TO HIGH CONCENTRATIONS OF METHYLENE CHLORIDE, AS A RESULT OF THE DEVELOPMENT OF INCREASED LEVELS OF CARBOXYHEMOGLOBIN. PREVENT SKIN AND EYE CONTACT. AVOID BREATHING VAPORS. BECAUSE OF ITS HIGH VOLATILITY, HIGH VAPOR CONCENTRATIONS MAY RAPIDLY ACCUMULATE IN POORLY VENTILATED AREAS. VAPORS ARE HEAVIER THAN AIR AND COLLECT IN LOW PLACES.

**REGULATORY DATA:**

**TSCA (TOXIC SUBSTANCES CONTROL ACT) REGULATIONS, 40 CFR 710:** ALL INGREDIENTS ARE ON THE TSCA CHEMICAL SUBSTANCE INVENTORY.

**CERCLA AND SARA REGULATIONS (40 CFR 355, 370, AND 372):** SECTION 313 SUPPLIER NOTIFICATION. THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372:  
100% METHYLENE CHLORIDE (CAS: 75-09-2)

**STATE REGULATIONS:** CALIFORNIA PROPOSITION 65: **WARNING.** THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

**STATEMENT:**

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. CASEWAY ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.