

CASEWAY INDUSTRIAL PRODUCTS, INC.
1050 GREEN PINE CIRCLE
ORANGE PARK, FL 32065
TEL: (904)214-9056 FAX: (904)375-2439

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

MATERIAL SAFETY DATA SHEET

SC 125 ACRYLIC ADHESIVE

MSDS DATE: 07/07/04

SUPERSEDES: 01/04

SHIPPING INFORMATION:

PROPER SHIPPING NAME: DICHLOROMETHANE

HAZARD CLASS OR DIVISION 6.1

PACKING GROUP: III

IDENTIFICATION NUMBER: UN1593

SHIPPING LABEL: POISON

SEE: CFR 49 (173 LTD QTY)

COMPONENTS INFORMATION:

INGREDIENTS: DICHLOROMETHANE (METHYLENE CHLORIDE) (CAS 75-09-2) 99.9% OSHA PEL 25 PPM TWA 125 PPM, STEL ACGIH TLV 50 PPM
(NFPA) RATINGS: HEALTH 2 FLAMMABILITY 1 REACTIVITY 0

PHYSICAL DATA:

BOILING POINT: 104°F (40°C)

VAPOR PRESSURE: 355 mmHg @ 20°C

VAPOR DENSITY (AIR=1): 2.93

Ph: NOT APPLICABLE

SOLUBILITY IN WATER: 2.0G/100g @ 25°C

SPECIFIC GRAVITY: 1.32 @ 25/25 C

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: 1033°F 556°C

FLAMMABLE LIMITS: 14-22%

EXTINGUISHING MEDIA: WATER FOG OR FINE SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM. WATER FOG, APPLIED GENTLY MAY BE USED AS A BLANKET FOR FIRE EXTINGUISHMENT.

SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT: POSITIVE - PRESSURE FULL FACEPIECE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

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.

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.

HEALTH HAZARD DATA CONTINUED:

CASEWAY INDUSTRIAL PRODUCTS, INC.
1050 GREEN PINE CIRCLE
ORANGE PARK, FL 32065
TEL: (904) 214-9056 FAX: (904) 375-2439

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

MATERIAL SAFETY DATA SHEET

SC 125 ACRYLIC ADHESIVE

EYE CONTACT: MAY CAUSE PAIN DISPROPORTIONATE TO THE LEVEL OF IRRITATION TO EYE TISSUES. MAY CAUSE MODERATE EYE IRRITATION, WHICH MAY BE SLOW TO HEAL. MAY CAUSE SLIGHT CORNEAL INJURY. VAPOR MAY CAUSE EYE IRRITATION EXPERIENCED AS MILD DISCOMFORT AND REDNESS.

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.

SKIN CONTACT: PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN IRRITATION, EVEN A BURN. REPEATED CONTACT MAY CAUSE DRYING OR FLAKING OF SKIN. MAY CAUSE MORE SEVERE RESPONSE ON COVERED SKIN (UNDER CLOTHING, GLOVES). EXTENSIVE SKIN CONTACT WITH METHYLENE CHLORIDE, SUCH AS IMMERSION, MAY CAUSE AN INTENSE BURNING SENSATION, FOLLOWED BY A COLD, NUMB FEELING WHICH WILL SUBSIDE AFTER CONTACT. PROLONGED SKIN CONTACT IS UNLIKELY TO RESULT IN ABSORPTION OF HARMFUL AMOUNTS.

FIRST AID: WASH SKIN WITH PLENTY OF WATER.

INHALATION: IN CONFINED OR POORLY VENTILATED AREAS, VAPORS CAN READILY ACCUMULATE AND CAN CAUSE UNCONSCIOUSNESS AND DEATH. EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT (NOSE AND THROAT). MAY CAUSE CARBOXYHEMOGLOBINEMIA, THEREBY IMPAIRING THE BLOOD'S ABILITY TO TRANSPORT OXYGEN. MINIMAL ANESTHETIC OR NARCOTIC EFFECTS MAY BE SEEN IN THE RANGE OF 500-1000 PPM METHYLENE CHLORIDE. PROGRESSIVELY HIGHER LEVELS OVER 1000 PPM CAN CAUSE DIZZINESS, DRUNKENNESS, AND AS LOW AS 10,000 PPM, UNCONSCIOUSNESS AND DEATH. THESE HIGH LEVELS MAY ALSO CAUSE CARDIAC ARRHYTHMIAS (IRREGULAR HEARTBEATS).

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.

CANCER INFORMATION: FOR HAZARD COMMUNICATION PURPOSES, UNDER OSHA STANDARD 29 CFR PART 1910.1200, THIS CHEMICAL IS LISTED AS A POTENTIAL CARCINOGEN BY IARC AND NTP. METHYLENE CHLORIDE HAS BEEN SHOWN TO INCREASE THE INCIDENCE OF MALIGNANT TUMORS IN MICE AND BENIGN TUMORS IN RATS. STUDIES HAVE SHOWN THAT TUMORS OBSERVED IN MICE ARE UNIQUE TO THAT SPECIES. OTHER ANIMAL STUDIES, AS WELL AS SEVERAL HUMAN EPIDEMIOLOGY STUDIES, FAILED TO SHOW A TUMORIGENIC RESPONSE. METHYLENE CHLORIDE IS NOT BELIEVED TO POSE A MEASURABLE CARCINOGENIC RISK TO MAN WHEN HANDLED AS RECOMMENDED.

NOTE TO PHYSICIAN: CARBOXYHEMOGLOBINEMIA MAY AGGRAVATE ANY PREEXISTING CONDITION SENSITIVE TO A DECREASE

IN AVAILABLE OXYGEN, SUCH AS CHRONIC LUNG DISEASE, CORONARY ARTERY DISEASE OR ANEMIAS. IF BURN IS PRESENT, TREAT AS ANY THERMAL BURN AFTER DECONTAMINATION. BECAUSE RAPID ABSORPTION MAY OCCUR THROUGH THE LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY A PHYSICIAN. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGEAL CONTROL. DANGER FROM LUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. EXPOSURE MAY INCREASE "MYOCARDIAL IRRITABILITY." DO NOT ADMINISTER SYMPATHOMIMETIC DRUGS UNLESS ABSOLUTELY NECESSARY. NO SPECIFIC ANTIDOTE. TREATMENT OF EXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

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 ACCUMULATE 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 CFR 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. 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:

CASEWAY INDUSTRIAL PRODUCTS, INC.
1050 GREEN PINE CIRCLE
ORANGE PARK, FL 32065
TEL:(904)214-9056 FAX: (904)375-2439

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

MATERIAL SAFETY DATA SHEET

SC 125 ACRYLIC ADHESIVE

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 PITS WHERE DENSE VAPORS MAY COLLECT. PROVIDE LOCAL EXHAUST IF TLV IS EXCEEDED.

RESPIRATORY PROTECTION: FOR EMERGENCY RESPONSE OR FOR SITUATIONS WHERE THE ATMOSPHERIC LEVEL IS UNKNOWN, USE AN APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS OR POSITIVE -PRESSURE AIRLINE WITH AUXILIARY SELF-CONTAINED AIR SUPPLY. ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDELINE. WHEN RESPIRATORY PROTECTION IS REQUIRED, USE AN APPROVED SELF CONTAINED BREATHING APPARATUS OR POSITIVE PRESSURE AIRLINE WITH AUXILIARY SELF-CONTAINED AIR SUPPLY. IN CONFINED OR POORLY VENTILATED AREAS, USE AN APPROVED SELF-CONTAINED BREATHING APPARATUS OR POSITIVE AIRLINE WITH 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: 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)

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.

STATE RIGHT -TO - KNOW: THE FOLLOWING PRODUCT COMPONENTS ARE CITED ON CERTAIN STATE LISTS AS MENTIONED. NON- LISTED COMPONENTS MAY BE SHOWN IN THE COMPOSITION SECTION OF THE MSDS.

DICHLOROMETHANE (METHYLENE CHLORIDE) CAS# 000075-09-2 LIST: NJ2 NJ3 PA1 PA2 PA3
NJ2=NEW JERSEY ENVIRONMENTAL HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).
NJ3=NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).
PA1=PENNSYLVANIA HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).
PA2=PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 0.01%).
PA3=PENNSYLVANIA ENVIRONMENTAL HAZARDOUS SUBSTANCE (PRESENT AT GREATER THAN OR EQUAL TO 1.0%).

REGULATORY DATA CONTINUED:

CASEWAY INDUSTRIAL PRODUCTS, INC.
1050 GREEN PINE CIRCLE
ORANGE PARK, FL 32065
TEL: (904) 214-9056 FAX: (904) 375-2439

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

MATERIAL SAFETY DATA SHEET

SC 125 ACRYLIC ADHESIVE

OSHA HAZARD COMMUNICATION STANDARD:

THIS PRODUCT IS A "HAZARDOUS CHEMICAL" AS DEFINED BY OSHA HAZARD COMMUNICATION STANDARD, 29CFR 1910.1200 COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, OR SUPERFUND):

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCE (S) LISTED AS "HAZARDOUS SUBSTANCES" UNDER CERCLA WHICH MAY REQUIRE REPORTING OF RELEASES:

CHEMICAL NAME: METHYLENE CHLORIDE CAS# 000075-09-2 RQ 1000 99.9%

CANADIAN REGULATIONS: WHMIS INFORMATION: THE CANADIAN WORKPLACE HAZARDOUS MATERIAL INFORMATION (WHMIS) CLASSIFICATION FOR THIS PRODUCT:

D1B – POISONOUS SUBSTANCE DEFINED BY TDG REGULATIONS

D2A – POSSIBLE, PROBABLE OR UNKNOWN HUMAN CARCINOGEN ACCORDING TO CLASSIFICATIONS BY IARC OR ACGIH

D2B – EYE OR SKIN IRRITANT: REFER ELSEWHERE IN THE MSDS FOR SPECIFIC WARNINGS AND SAFE HANDLING INFORMATION. REFER TO EMPLOYER'S WORKPLACE EDUCATION PROGRAM.

CPR STATEMENT: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF CANADIAN CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

HAZARDOUS PRODUCTS ACT INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING INGREDIENTS WHICH ARE CONTROLLED PRODUCTS AND/OR ON THE INGREDIENT DISCLOSURE LIST (CANADIAN HPA SECTION 13 AND 14):

METHYLENE CHLORIDE 000075-09-2 99.9%

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): ALL SUBSTANCES IN THIS PRODUCT IS LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST (DSL) OR IS NOT REQUIRED TO BE LISTED.

OTHER INFORMATION: HAZARD RATING SYSTEM: (NFPA) HEALTH 2 FLAMMABILITY 1 REACTIVITY 0

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