

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

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

SC 94 ACRYLIC ADHESIVE

MSDS DATE: 07/14/04
SUPERSEDES: 02/04

SHIPPING INFORMATION:

PROPER SHIPPING NAME: DICHLOROMETHANE
HAZARD CLASS OR DIVISION: 6.1 PACKING GROUP: III IDENTIFICATION: UN1593
SHIPPING LABEL: POISON. ** SEE: CFR 49 (173LTD QTY)

COMPONENTS INFORMATION:

- A. DICHLOROMETHANE (METHYLENE CHLORIDE) MAJOR
CAS. # 75-09-2 AMT. (%): 99-100
OSHA PEL 25 PPM TWA 125 PPM, STEL
ACGIH TLV 50 PPM NFPA RATING: HEALTH 2 FLAMMABILITY 1 REACTIVITY 0
- B. METHYL METHACRYLATE (INHIBITED) MINOR
1. METHYL METHACRYLATE CAS. # 80-62-6
2. THIS PRODUCT CONTAINS 50 PPM OF METHYLETHYDROQUINONE (MEHQ)
ACGIH TLV 100 PPM HMIS RATING: HEALTH 2 FLAMMABILITY 3 PHYSICAL HAZARD 2
NFPA RATING: HEALTH 2 FLAMMABILITY 3 PHYSICAL HAZARD 2
- C. ACETIC ACID, GLACIAL MINOR
CAS. # 64-19-7 AMT. (%) 100
ACGIH TWA 10PPM, NIOSH STEL 15 PPM, 37 mg/me OSHA PEL 10PPM, 25mg/m3
HMIS RATING: HEALTH 3 FLAMMABILITY 2 ACTIVITY 0

PHYSICAL DATA:

BOILING POINT: 104⁰ F (40⁰ C) VAPOR PRESSURE: 355mmHg @ 20⁰C
SPECIFIC GRAVITY: 1.32 @ 25/25⁰C ODOR: VINEGAR, PUNGENT
APPEARANCE: CLEAR COLORLESS LIQUID SOLUBILITY IN WATER: 2.0g/100g @ 25⁰C
VAPOR DENSITY (AIR=1): 2.93 Ph: NOT APPLICABLE

FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: NONE BY STANDARD METHODS IGNITION TEMPERATURE: 1033⁰F 556⁰C
FLAMMABLE LIMITS: 14-22%
EXTINGUISHING AGENTS: WATER FOG OR FINE SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG APPLIED GENTLY MAY BE USE AS A BLANKET FOR FIRE EXTINGUISMENT.
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 ENGERGY SOURCES.

REACTIVITY DATA:

STABILITY: STABLE UNDER NORMAL CONDITIONS.
INCOMPATIBILITY: ALKALI METALS -- PURE OXYGEN -- ACIDS -- BASES -- UV LIGHT -- OPEN FLAMES -- WELDING ARC. NO LONG TERM CONTACT WITH ALUMINUM -- ZINC -- OR OTHER ALLOYS.
HAZARDOUS DECOMPOSITION INFORMATION: THERMAL DECOMPOSITION: HYDROGEN CHLORIDA AND TRACE OF PHOSGENE. CHEMICAL DECOMPOSITION: HYDROGEN CHLORIDE
HAZZARDOUS POLYMERIZATION: EXCESSIVE AGING, HEAT, CONTAMINATION WITH POLYMERIZATION CATALYSTS, OXYGEN-FREE ATMOSPHERE, INHIBITOR DEPLETION, OR ULTRAVIOLET LIGHT (SUNLIGHT) MAY CAUSE POLYMERIZATION.

SPILL OR LEAK HANDLING DATA:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILL: EVACUTE 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 VENTILATIED SPACE. CONTAIN THE SPILL. PREVENT LIQUID FROM ENTERING SEWERS. SOAK UP LIQUID WITH ABSORBENT AND SHOVEL INTO WASTE CONTAINER. REMOVE CONTAINER FROM WORK AREA.

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SPILL OR LEAK HANDLING DATA CONTINUED:

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, 40CFR 261.31. ALSO SPENT METHYLENE CHLORIDE AND STILL BOTTOMS FROM RECOVERY OF THIS MATERIAL ARE HAZARDOUS WASTES, NOF002, UNDER RCRA, 40 CFR 261.31. DISPOSE OF THESE MATERIALS IN A FACILITY FOR HAZARDOUS WASTE.

CONTAINER DISPOSAL: EMPTIED CONTAINERS 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 CONTAINERS IS COMPLETELY EMPTY. PUNCTURE OR OTHERWISE DESTROY EMPTY CONTAINERS 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 -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 EXHAUSE 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 GOGGLES; FULL FACESHIELD IN ADDITION IF SPLASHING IS POSSIBLE.

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

HEALTH HAZARD DATA:

HEALTH EFFECTS FROM OVEREXPOSURE: PRIMARY ROUTE (S) OF EXPOSURE: INHALATION -- SKIN CONTACT.

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 TO FRESH AIR. IF COUGH OR OTHER RESPIRATORY SYSTEMS DEVELOP. CONSULT MEDICAL PERSONNEL. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS LABORED GIVE OXYGEN. CONSULT MEDICAL PERSONNEL.

EYE: 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 EXAMINED AND TREATED BY MEDICAL PERSONNEL.

SKIN: 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.

HEALTH HAZARD DATA CONTINUED:

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FIRST AID: WASH CONTAMINATED AREAS WITH PLENTY OF SOAP AND WATER. A SOOTHING OINTMENT MAY BE APPLIED TO IRRITATED SKIN AFTER THOROUGH CLEANSING. REMOVE AND WASH CONTAMINATED CLOTHING THOROUGHLY. DISCARD FOOTWEAR THAT CANNOT BE DECONTAMINATED. SEEK MEDICAL ATTENTION.

CANCER INFORMATION: FOR HAZARD COMMUNICATION PURPOSES, UNDER OSHA STANDARD 29 CFR PARTS 1910.1200, METHYLENE CHLORIDE IS LISTED AS A POTENTIAL CARCINOGEN BY IARC AND NTP. THIS PRODUCT 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.

REGULATORY DATA:

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

CERCLA AND ARA REGULATIONS (40 CFR 355, 370, AND 373): SECTION 313 SUPPLIER NOTIFICATIONS. THIS PRODUCT CONTAINS EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

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

LISTED:

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%)

OSHA HAZARD COMMUNICATION STANDARD: THIS PRODUCT CONTAINS A "HAZARDOUS CHEMICAL" AS DEFINED BY OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200 COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA OR SUPERFUND). THIS CONTAINS THE FOLLOWING SUBSTANCE (S) LISTED AS "HAZARDOUS SUBSTANCES" UNDER CERCLA WHICH MAY REQUIRE REPORTING OF RELEASES:

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 CLASSIFICATION 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.

STATEMENT:

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.