

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 200 VINYL CEMENT

MSDS DATE: 7/11/04

SUPERSEDES: 2/02

SHIPPING INFORMATION:

PROPER SHIPPING NAME: ADHESIVE

HAZARD CLASS OR DIVISION: 3 PACKING GROUP: II IDENTIFICATION NUMBER: UN1133

SHIPPING LABEL: FLAMMABLE LIQUID SEE D.O.T (173 (LTD. QTY)

COMPONENTS INFORMATION:

A. TETRAHYDROFURAN CAS.# 109-99-9 MAJOR
ACGIH TLV STEL 200 PPM TWA 200 PPM BASF 8hr, EXP. LIMIT TWA 50 PPM
OSHA PEL 200 PPM
NPCA -- HMIS RATING: HEALTH 3 FLAMMABILITY 3 REACTIVITY 1
NFPA RATING: HEALTH 2 FLAMMABILITY 3 REACTIVITY 1

CANADIAN WHMIS RATINGS: D2 TOXIC MATERIAL SKIN OR EYE IRRITANT B2 FLAMMABLE LIQUID

B. METHYL ETHYL KEYTONE CAS.# 78-93-3 MINOR
EXPOSURE LIMITS: OSHA PEL ACGIH TLV 200PPM
OSHA 200 PPM ACGIH STEL 300PPM 15 MINUTES
HMIS RATING: HEALTH 1 FLAMMABILITY 3 REACTIVITY 0 PERSONAL PROTECTION X
CANADIAN (WHMIS) B2 FLAMMABLE LIQUID D2,SUBDIVISION A VERY TOXIC MATERIAL D2, SUBDIVISION B TOXIC MATERIAL

PHYSICAL DATA:

APPEARANCE: CLEAR, LIQUID ODOR: ETHEREAL (THRESHOLD = 2-50 PPM)
BOILING POINT: 760 mmHg 66⁰C (151⁰F) MELTING POINT: -108.5⁰C (-163⁰F)
SPECIFIC GRAVITY: 0.9 SOLUBILITY IN WATER: SOLUBLE
VAPOR PRESSURE: 160 mmHG X 25⁰C (77⁰F)
VAPOR DENSITY (AIR=1): 2.5 pH INFORMATION (AQUEOUS SOLUTION): - 7
EVAPORATION RATE (BUTYL ACETATE = 1): GREATER THAN ONE

FIRE AND EXPLOSION DATA:

FLASH POINT: -20⁰C (-4⁰F) TCC AUTOIGNITION TEMPERATURE: 321⁰C (610⁰F)
EXTINGUISHING MEDIA: USE FOAM OR DRY CHEMICAL EXTINGUISHING MEDIA.
FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS AND TURNOUT GEAR. AVOID BREATHING VAPORS OR FUMES OF HEATED PRODUCT OR BURNING PRODUCT.
UNUSUAL HAZARDS: **DANGEROUS.** WHEN EXPOSED TO HEAT OR FLAMES, EMITS TOXIC DECOMPOSITION PRODUCTS. CAN FORM EXPLOSIVE PEROXIDE COMPOUNDS AND CAN REACT WITH OXIDIZING MATERIALS.

REACTIVITY DATA:

STABILITY: STABLE
INCOMPATIBILITY: LITHIUM ALUMINUM HYDRIDE AND ALKALINE EARTH HYDROXIDES.
CONDITIONS/HAZARDS TO AVOID: SEE REACTIVITY -- INCOMPATIBILITY SECTION.
HAZARDOUS DECOMPOSITION/POLYMERIZATION: PEROXIDES. POLYMERIZATION: DO NOT OCCUR.

SPILL AND LEAK HANDLING DATA:

GENERAL: SPILLS SHOULD BE CONTAINED, SOLIDIFIED AND PLACED IN SUITABLE CONTAINERS FOR DISPOSAL IN A RCRA LICENSED FACILITY. THIS MATERIAL IS RCRA HAZARDOUS DUE TO ITS PROPERTIES.
WASTE DISPOSAL: INCINERATE OR BURY IN A RCRA LICENSED FACILITY. DO NOT DISCHARGE INTO WATERWAYS OR SEWER SYSTEMS WITHOUT PROPER AUTHORITY.

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SPILL AND LEAK HANDLING DATA:

CONTAINER DISPOSAL: EMPTY CONTAINERS WITH LESS THAN 1 INCH OF RESIDUE MAY BE LANDFILLED AT A LICENSED FACILITY. RECOMMEND CRUSHING OR OTHER MEANS TO PREVENT UNAUTHORIZED REUSE. OTHER CONTAINERS MUST BE DISPOSED OF IN A RCRA LICENSED FACILITY.

ENVIRONMENTAL TOXICITY TEST DATA: INHERENT BIODEGRADABILITY: ZAHN-WELLENS - 70 PERCENT. READILY DEGRADABLE BY BIOLOGICAL PRO. FOLDEN ORFE, STATIC 48 HR LC 50 - 2820 MG/L INSIGNIFICANT HAZARD.

SPECIAL PROTECTION DATA:

CLOTHING: POLYVINYL ALCOHOL GLOVES, COVERALLS, APRONS AND BOOTS AS NECESSARY TO PREVENT SKIN CONTACT.

EYES: CHEMICAL GOGGLES; ALSO WEAR A FACE SHIELD IF SPLASHING HAZARD EXISTS.

RESPIRATION: IF VAPORS OR MISTS ARE GENERATED, WEAR A NIOSH/MSHA APPROVED ORGANIC VAPOR/MIST RESPIRATOR OR AN AIR SUPPLIED RESPIRATOR AS APPROPRIATE.

VENTILATION: USE LOCAL EXHAUST TO CONTROL TO RECOMMENDED P.E.L.

EXPLOSION PROOF: TOOLS SHOULD BE NON-SPARKING. EXHAUST FANS SHOULD BE EXPLOSION PROOF.

OTHER PROTECTION: EYEWASH FOUNTAINS AND SAFETY SHOWERS MUST BE EASILY ACCESSIBLE. SHOWER AFTER HANDLING.

FACILITY CONTROL MEASURES:

VENTILATION: GOOD GENERAL VENTILATION SHOULD BE PROVIDED TO KEEP VAPOR CONCENTRATIONS BELOW THE FLAMMABILITY AND EXPOSURE LIMITS.

EXTREMELY FLAMMABLE: KEEP AWAY FROM IGNITION SOURCES AND CLEAN UP SPILLS PROMPTLY.

HEALTH HAZARD DATA:

INHALATION: THE EFFECTS MAY INCLUDE IRRITATION OF THE RESPIRATORY PASSAGES, OR NONSPECIFIC DISCOMFORT SUCH AS NAUSEA, HEADACHE, OR WEAKNESS.

FIRST AID: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

EYE CONTACT: SEVERE EYE IRRITATION WITH CORNEA OR CONJUNCTIVA ULCERATION.

FIRST AID: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

SKIN CONTACT: SKIN IRRITATION WITH DISCOMFORT OR RASH.

FIRST AID: FLUSH SKIN THOROUGHLY WITH WATER. WASH CLOTHING BEFORE REUSE.

INGESTION: CAN BE HARMFUL.

FIRST AID: DO NOT INDUCE VOMITING. IMMEDIATELY GIVE TWO (2) GLASSES OF WATER OR ACTIVATED CHARCOAL SLURRY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.

NOTE TO PHYSICIAN: TO PREPARE ACTIVATED CHARCOAL SLURRY, SUSPEND 50 GRAMS OF ACTIVATED CHARCOAL IN 400 ML OF WATER IN A BOTTLE AND SHAKE WELL.

WARNING: INDIVIDUALS WITH PREEXISTING DISEASES OF THE EYES, SKIN, OR RESPIRATORY SYSTEM MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

REGULATORY DATA:

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U.S. FEDERAL REGULATIONS

TSCA INVENTORY STATUS: REPORTED/INCLUDED

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

ACUTE YES CHRONIC NO FIRE YES REACTIVITY YES PRESSURE NO

LISTS: SARA EXTREMELY HAZARDOUS SUBSTANCE NO CERCLA HAZARDOUS MATERIAL YES

SARA TOXIC CHEMICALS NO

TETRAHYDROFURAN IS A FLAMMABLE LIQUID AS DEFINED BY OSHA IN 29 CFR 1910.1200 ©, PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS.

ABBREVIATIONS:

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

D.O.T.: DEPARTMENT OF TRANSPORTATION

HMIS: HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

MG/M³: A WAY OF EXPRESSING THE CONCENTRATION OF A SUBSTANCE IN AIR: MILLIGRAMS (MG) OF SUBSTANCE PER CUBIC METER (M³) OF AIR

NFPA: NATIONAL FIRE PROTECTION ASSOCIATION

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PEL: PERMISSIBLE EXPOSURE LIMIT

PPM: PART PER MILLION. GENERALLY USED TO EXPRESS SMALL CONCENTRATIONS OF ONE SUBSTANCE IN A MIXTURE

STEL: SHORT-TERM EXPOSURE LIMIT

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVERAGE

STATEMENT:

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