

DIAMOND SEAL

HIGH PERFORMANCE LACQUER SEALER

MATERIAL SAFETY DATA SHEET

MATCRETE INC.

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SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DIAMOND SEAL (100 V.O.C.)
CAS NUMBER: N/A
MATCRETE MSDS #: DS-100

GENERAL ASSISTANCE: MATCRETE INC. (800)777-7063
EMERGENCY ASSISTANCE: CHEMTREC (DOMESTIC) (800)424-9300
EMERGENCY ASSISTANCE: CHEMTREC (INTERNATIONAL) (703)527-3887

SECTION II. CHEMICAL COMPOSITION AND DATA ON COMPONENTS

EXPOSURE LIMITS (TWA'S IN AIR)

CHEMICAL NAME	CAS NUMBER	ACGIH TLV	OSHA PEL	STEL
METHYL-BUTYL METHACRYLATE	28262-63-7	100 ppm	200 ppm	N/E
C-11 KETONE	71808-49-6	N/E	N/E	N/E
P-CHLOROBENZOTRIFLURIDE	98-56-6	N/E	N/E	N/E

SECTION III. HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE: DIAMOND SEAL(100 VOC) CAN AFFECT THE BODY IF IT IS INHALED, INGESTED, OR COMES IN CONTACT WITH THE EYES AND SKIN.

SUMMARY OF ACUTE HEALTH HAZARDS

INGESTION: MAY RESULT IN VOMITING OR ABDOMINAL PAIN.

INHALATION: MAY CAUSE DIZZINESS, ANESTHESIA, DROWSINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS. NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURE(-18°C TO 38°C; 0 TO 100°F) AND NORMAL VENTILATION.

SKIN: PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

EYES: CAN CAUSE IRRITATION OF THE EYE.

SIGNS AND SYMPTOMS OF EXPOSURE: PROLONGED OR REPEATED SKIN CONTACT WITH THIS PRODUCT TENDS TO REMOVE OILS POSSIBLY LEADING TO IRRITATION AND DERMATITIS; HOWEVER, BASED ON HUMAN EXPERIENCE AND AVAILABLE TOXICOLOGICAL DATA, THIS PRODUCT IS JUDGED TO BE NEITHER A "CORROSIVE" NOR AN "IRRITANT" BY OSHA CRITERIA WHEN NORMAL VENTILATION PROCEDURES ARE PERFORMED.

EFFECTS OF OVEREXPOSURE: HIGH VAPOR CONCENTRATIONS(GREATER THAN APPROXIMATELY 1000 ppm) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE DIZZINESS, ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

SECTION IV. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN: WASH WITH SOAP AND COPIUS AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; DO NOT REUSE UNTIL CLEANED. IF PERSISTANT IRRITATION OCCURS, GET MEDICAL ATTENTION IMMEDIATELY.

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. IF PERSISTANT IRRITATION OCCURS, GET MEDICAL ATTENTION IMMEDIATELY.

SECTION V. FIRE FIGHTING MEASURES

FLASH POINT: 0°F CC

AUTOIGNITION TEMPERATURE: 465°C, 869°F

LOWER EXPLOSIVE LIMIT: 1.9% BY VOLUME IN AIR

UPPER EXPLOSIVE LIMIT: 12.8% BY VOLUME IN AIR

UNUSUAL FIRE AND EXPLOSION HAZARDS: HANDLE AS AN EXTREMELY FLAMMABLE MATERIAL. VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS INADEQUATELY VENTILATED. VAPORS MAY ALSO TRAVEL ALONG THE GROUND TO BE IGNIGHTED AT LOCATIONS DISTANT FROM THE HANDLING SITE; FLASHBACK OF FLAME TO THE HANDLING SITE MAY OCCUR. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNIGHT EXPLOSIVELY. WHEN EXPOSED TO EXTREME TEMPERATURE, CLOSED CONTAINERS MAY EXPLODE.

EXTINGUISHING MEDIA: USE WATER FOG, FOAM, CARBON DIOXIDE OR DRY CHEMICAL. USE OF WATER MAY CAUSE FIRE TO SPREAD DUE TO COMPOUNDS THAT FLOAT ON WATER. ACETONE/WATER SOLUTIONS HAVE FLASH POINTS WHEN THE ACETONE CONCENTRATION IS GREATER THAN 8% (BY WEIGHT). THE FIRE POINT, WHICH IS THE PERCENT BY WEIGHT WHEN A SOLUTION SUSTAINS A FLAME, IS HIGHER THAN THAT.

SPECIAL FIREFIGHTING PROCEDURES: EVACUATE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR PROPER PROTECTIVE CLOTHING INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER. IN THE CASE OF LARGE FIRES, ALSO COOL SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER. IF A LEAK OR SPILL HAS NOT IGNIGHTED, USE WATER SPRAY TO DISPERSE THE VAPORS.

SECTION VI. ACCIDENTAL RELEASE MEASURES

SHUTT OFF AND ELIMINATE ALL IGNITION SOURCES. KEEP PEOPLE AWAY. RECOVER BY PUMPING(USE AN EXPLOSION PROOF OR HAND PUMP) OR WITH A SUITABLE ABSORBENT SUCH AS SAND, EARTH OR OTHER SUITABLE ABSORBANT TO SPILL AREA. DO NOT USE COMBUSTIBLE MATERIALS SUCH AS SAWDUST. MINIMIZE BREATHING VAPORS. MINIMIZE SKIN CONTACT. VENTILATE CONFINED SPACES. OPEN ALL WINDOWS AND DOORS. KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES OR EXTENSIVE LAND AREAS.

SECTION VII. HANDLING AND STORAGE

HANDLING AND STORING PRECAUTIONS: CAUTION! EXTREMELY FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE AWAY FROM OXIDIZING AGENTS IN A COOL, DRY PLACE. IF POURING OR TRANSFERING MATERIALS, CONTAINERS MUST BE GROUNDED.

RESPIRATORY PROTECTION: USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR IN CONFINED OR ENCLOSED SPACES FOR ORGANIC VAPORS IF NEEDED.

VENTILATION: USE ONLY WITH VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPOR IN AIR. USE EXPLOSION-PROOF EQUIPMENT.

PROTECTIVE CLOTHING: USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHIN, IF NEEDED, TO AVOID CONTAMINATING REGULAR CLOTHING WHICH WOULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT.

EYE PROTECTION: USE SPLASH GOGGLES OR FACE SHIELD WHEN CONTACT MAY OCCUR.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: USE SOLVENT RESISTANT GLOVES AND CHEMICAL TYPE GOGGLES.

WORK/HYGIENIC PRACTICES: MINIMIZE BREATHING VAPOR OR MIST. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. REMOVE CONTAMINATED CLOTHING; LAUNDRER OR DRY-CLEAN BEFORE REUSE. REMOVE CONTAMINATED SHOES AND THOROUGHLY CLEAN AND DRY THEM BEFORE REUSE. CLEANSE SKIN THOROUGHLY AFTER CONTACT, BEFORE BREAKS AND MEALS AND AT THE END OF WORK PERIOD. PRODUCT IS READILY REMOVED FROM SKIN BY WATERLESS HAND CLEANERS FOLLOWED BY WASHING THOROUGHLY WITH SOAP AND PLENTY OF WATER.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

pH: N/A

BOILING POINT/RANGE: 275-392°F

MELTING POINT/RANGE: N/A

SOLUBILITY IN WATER: INSOLUBLE IN WATER

SPECIFIC GRAVITY(WATER=1): 1.14-1.25

VAPOR DENSITY(AIR=1): 3.4-4.0

VAPOR PRESSURE(mm. Hg): N/A

% VOLATILES: 72.0-73.0 BY VOLUME

MOLECULAR WEIGHT: N/A

HOW TO DETECT THIS COMPOUND: N/A

APPEARANCE/COLOR/ODOR: LIQUID/CLEAR/SWEET KETONE ODOR

VOC: <100 GRAMS/LITER OR 0.83 LBS./GALLON

SECTION X. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAMES.

HAZARDOUS POLYMERIZATION: N/A

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON.

SECTION XI. TOXICOLOGICAL INFORMATION

N/A

SECTION XII. ECOLOGICAL INFORMATION

N/A

SECTION XIII. DISPOSAL CONSIDERATIONS

USE NON-LEAKING CONTAINERS, SEAL TIGHTLY AND LABEL PROPERLY. DISPOSE OF IN ACCORDANCE WITH

SECTION XIV. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: PAINT

DOT HAZARD CLASS/I.D. #: 3, UN1263, II

SECTION XV. REGULATORY INFORMATION

REPORTABLE QUANTITY: N/A

NFPA RATING: HEALTH - 2; FLAMMABILITY - 3; REACTIVITY - 0
0=INSIGNIFICANT 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME

CARCINOGENICITY LISTS: YES

NTP: NO

IARC MONOGRAPH: NO

OSHA REGULATED: YES

C-11 KETONE - TSCA CHEMICAL SUBSTANCE INVENTORY

SECTION XVI. OTHER INFORMATION

SYNONYMS/Common Names: LACQUER SEALER 100

CHEMICAL FAMILY/TYPE: PAINT

SECTION CHANGED SINCE LAST REVISION: FIRST ISSUE

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