

DIAMOND SEAL PLUS 400

PREMIUM SOLVENT-BASED SEALER

MATERIAL SAFETY DATA SHEET

MATCRETE INC.

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Read this MSDS before use or disposal of this product. Pass along the information to employees and any persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard (29 CFR 1915, 1916, 1917). This MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse beyond our control, MATCRETE makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.

SECTION I. PRODUCT IDENTIFICATION

PRODUCT NAME: DIAMOND SEAL PLUS 400

CAS NUMBER: N/A

MATCRETE MSDS #: DSP-400

GENERAL ASSISTANCE: MATCRETE INC. (800)777-7063

EMERGENCY ASSISTANCE: CHEMTREC (DOMESTIC) (800)424-9300

EMERGENCY ASSISTANCE: CHEMTREC (INTERNATIONAL) (703)527-3887

SECTION II. HAZARDOUS INGREDIENTS

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/A
CERAMIC MICROSPHERES	66402-68-4	10 mg/m ³	15 mg/m ³	N/A
HYDROCARBON SOLVENT	64742-94-5	100 ppm	100 ppm	150 ppm
HYDROCARBON SOLVENT	1330-20-7	100 ppm	100 ppm	150 ppm
P-CHLOROENZOTRIFLUORIDE	98-56-6	N/E	N/E	N/E
ALUMINUM OXIDE	1344-28-1	10 mg/m ³	15 mg/m ³	N/A

SECTION III. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

pH: N/A

BOILING POINT/RANGE: N/A

MELTING POINT/RANGE: N/A

SOLUBILITY IN WATER: INSOLUBLE

SPECIFIC GRAVITY(WATER=1): 1.07-1.19

VAPOR DENSITY(AIR=1): N/A

VAPOR PRESSURE(mm.Hg): 5.3 @ 68° F

% VOLATILES BY VOLUME: 71.75-72.75

MOLECULAR WEIGHT: N/A

HOW TO DETECT THIS COMPOUND: N/A

APPEARANCE/COLOR/ODOR: COLORLESS/SWEET AROMATIC ODOR

SECTION IV. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAMES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS, CONCENTRATED NITRIC AND SULFURIC ACIDS, AND MOLTEN SULPHUR. TEMPERATURES ABOVE AMBIENT.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON AND ACRYLIC MONOMER VAPORS.

SECTION V. FIRE FIGHTING MEASURES

FLASH POINT: 0° F

AUTOIGNITION TEMPERATURE: 980° F

LOWER EXPLOSIVE LIMIT: 1.1%

UPPER EXPLOSIVE LIMIT: 12.3%

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS INADEQUATELY VENTILATED. VAPORS MAY ALSO TRAVEL ALONG THE GROUND TO BE IGNITED 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 (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. WHEN EXPOSED TO EXTREME TEMPERATURE, CLOSED CONTAINERS MAY EXPLODE.

EXTINGUISHING MEDIA: USE WATER FOG, FOAM, DRY CHEMICAL OR CO₂. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER

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 IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS.

SECTION VI. HEALTH HAZARD INFORMATION

SUMMARY OF ACUTE HEALTH HAZARDS: N/A

INGESTION: LIQUID INGESTION MAY RESULT IN VOMITING; ASPIRATION (BREATHING) OF VOMITUS INTO THE LUNGS MUST BE AVOIDED AS EVEN SMALL QUANTITIES IN THE LUNGS MAY RESULT IN CHEMICAL PNEUMONITIS AND PULMONARY EDEMA/HEMORRHAGE. MAY ALSO RESULT IN ABDOMINAL PAIN, DIZZINESS, HEADACHE, SHORTNESS OF BREATH, LEG CRAMPS, FATIGUE, NAUSEA, COMA AND DEATH.

INHALATION: HIGH VAPOR/AEROSOL CONCENTRATIONS (GREATER THAN APPROXIMATELY 1000 PPM) ARE IRRITATING TO THE RESPIRATORY TRACT, MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH. NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURE (-18 TO 38°C; 0 TO 100°F)

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

EYES: MAY CAUSE IRREVERSIBLE EYE DAMAGE ON CONTACT.

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. MAY CAUSE IRREVERSIBLE EYE DAMAGE ON CONTACT.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PETROLEUM SOLVENTS/PETROLEUM HYDROCARBONS - SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

NOTES TO PHYSICIANS: N/A

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: IF INGESTED, 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 WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; DO NOT REUSE UNTIL CLEANED. IF PERSISTENT IRRITATION OCCURS, GET MEDICAL ATTENTION IMMEDIATELY.

EYES: IF SPLASHED INTO EYES, FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN OR UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND USE

HANDLING AND STORING PRECAUTIONS: CAUTION! EXTREMELY FLAMMABLE! KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.

WASTE DISPOSAL METHODS: DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

OTHER PRECAUTIONS: DO NOT ALLOW MATERIAL TO COME IN CONTACT WITH SOIL.

SECTION VIII. ACCIDENTAL RELEASE MEASURES

[SPILLS MAY NEED TO BE REPORTED TO THE NATIONAL RESPONSE CENTER (800/424-8802) CERCLA REPORTABLE QUANTITY (RQ) IS 1000 POUNDS]. SHUT 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 ABSORBENT 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 IX. CONTROL MEASURES

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 CLOTHING, IF NEEDED, TO AVOID CONTAMINATING REGULAR CLOTHING WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT.

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

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: USE CHEMICAL-RESISTANT GLOVES, IF NEEDED, TO AVOID PROLONGED OR REPEATED SKIN CONTACT.

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

SECTION X. TRANSPORT INFORMATION

SYNONYMS/Common Names: N/A

CHEMICAL FAMILY/TYPE : PAINT

DOT PROPER SHIPPING NAME: PAINT

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

SECTION XI. 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

WARNING! THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO KNOW ACT OF 1986 AND OF 40 CFR 372:

CHEMICAL NAME	CAS NUMBER	% BY WEIGHT
TRIMETHYLBENZENE	95-63-6	< 1.0%