

DIAMOND SEAL

HIGH-PERFORMANCE SOLVENT-BASED SEALER

MATERIAL SAFETY DATA SHEET

MATCRETE INC.

1495 Hudson Avenue • Ontario, CA • 91764

PHONE (800)777-7063 • FAX (909)635-0165

www.matcrete.com

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 (600 V.O.C.)

CAS NUMBER: N/A

MATCRETE MSDS #: DS-600

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

CHEMICAL NAME	CAS NUMBER	EXPOSURE LIMITS (TWA's IN AIR)		
		ACGIH TLV	OSHA PEL	STEL
ETHYL BENZENE	100-41-4	100 ppm	100 ppm	125 ppm
HYDROCARBON SOLVENT	1330-20-7	100 ppm	100 ppm	150 ppm
AMINE SOLVENT	872-50-4	N/E	N/E	N/P
METHYL-BUTYL METHACRYLATE	28262-63-7	100 ppm (SKIN)	200 ppm	N/A

SECTION III. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

pH: N/A

BOILING POINT/RANGE: 275-390°F @ 760 mm. Hg

MELTING POINT/RANGE: N/A

SOLUBILITY IN WATER: NEGLIGIBLE

SPECIFIC GRAVITY(WATER=1): 0.92-0.94

VAPOR DENSITY(AIR=1): 3.7

VAPOR PRESSURE(mm. Hg): 185 @ 20°C

% VOLATILES: 71.5-72.4 BY VOLUME

MOLECULAR WEIGHT: N/A

HOW TO DETECT THIS COMPOUND: N/A

APPEARANCE/COLOR/ODOR: LIQUID/CLEAR/HYDROCARBON

VOC: 600 OR LESS GRAMS/LITER (5 LBS./GALLON)

SECTION IV. STABILITY AND REACTIVITY

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT, SPARKS AND OPEN FLAMES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

MATERIALS TO AVOID: STRONG ALKALIES OR STRONG OXIDIZERS. THIS SEALER MAY DISSOLVE SOME PLASTICS, RUBBER MATERIALS OR COATING.

HAZARDOUS DECOMPOSITION PRODUCTS: FROM THERMAL DECOMPOSITION, OXIDES OF CARBON AND ACRYLIC MONOMER VAPORS MAY BE PRODUCED.

SECTION V. FIRE FIGHTING MEASURES

FLASH POINT: 0°F - TCC

AUTOIGNITION TEMPERATURE: 450° F

LOWER EXPLOSIVE LIMIT: 1% BY VOLUME IN AIR

UPPER EXPLOSIVE LIMIT: 7% BY VOLUME IN AIR

UNUSUAL FIRE AND EXPLOSION HAZARDS: HANDLE AS AN EXTREMELY FLAMMABLE MATERIAL. VAPORS MAY FORM AN EXPLOSIVE MIXTURE WITH AIR BETWEEN THE UPPER AND LOWER EXPLOSIVE LIMITS.

EXTINGUISHING MEDIA: USE FOAM, CARBON DIOXIDE OR DRY CHEMICAL. USE OF WATER MAY CAUSE FIRE TO SPREAD DUE TO COMPOUNDS THAT FLOAT ON WATER.

SPECIAL FIREFIGHTING PROCEDURES: WEAR A SELF-CONTAINED BREATHING APPARATUS (PRESSURE-DEMAND, MSHA/NIOSH-APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

SECTION VI. HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE: DIAMOND SEAL LACQUER SEALER (600 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 CAUSE IRRITATION OF ESOPHAGUS AND STOMACH.

INHALATION: MAY CAUSE IRRITATION OF NOSE AND THROAT.

SKIN: MAY CAUSE A RASH.

EYES: CAN CAUSE IRRITATION OF THE EYE.

SIGNS AND SYMPTOMS OF EXPOSURE: CONTACT WITH SKIN OR EYES MAY CAUSE IRRITATION.

BREATHING OF THE VAPOR MAY IRRITATE THE NOSE AND THROAT.

EFFECTS OF OVEREXPOSURE: MAY CAUSE ANESTHESIA, HEADACHE, NAUSEA, OR DIZZINESS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: ASTHMA AND OTHER RESPIRATORY CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: DO NOT INDUCE VOMITING UNLESS ADVISED TO DO SO BY A PHYSICIAN. GET MEDICAL ATTENTION.

INHALATION: REMOVE VICTIM TO FRESH AIR AND RESTORE BREATHING IF REQUIRED. GET MEDICAL ATTENTION.

SKIN: FLUSH SKIN WITH PLENTY OF WATER. IF RASH DEVELOPS, GET MEDICAL ATTENTION.

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION, IF DISCOMFORT PERSISTS.

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.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION. FLUSH WITH WATER TO A TANK OR AN OPEN WELL-VENTILATED AREA. ABSORB OR REMOVE TO A CONTAINER AND DISPOSE OF PROPERLY IN CONFORMANCE WITH LOCAL REGULATIONS.

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. CONTROL MEASURES

RESPIRATORY PROTECTION: ALL-PURPOSE CANISTER MASK OR AIR-SUPPLIED MASK IF THE TLV IS EXCEEDED. ONLY MSHA OR NIOSH APPROVED RESPIRATORS SHOULD BE USED.

VENTILATION: LOCAL IS PREFERABLE, BUT MECHANICAL IS ACCEPTABLE.

PROTECTIVE CLOTHING: PROTECTIVE GLOVES ARE ADVISABLE, AND GOGGLES OR A FACE SHIELD SHOULD BE USED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: AN EYE BATH AND A SAFETY SHOWER SHOULD BE AVAILABLE.

WORK/HYGIENIC PRACTICES: EMPLOYEES WHO HANDLE DIAMOND SEAL LACQUER SEALER (600 VOC) SHOULD WASH THEIR HANDS THOROUGHLY BEFORE EATING, SMOKING, OR USING TOILET FACILITIES.

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SECTION IX. TRANSPORT INFORMATION

SYNONYMS/Common Names: LACQUER SEALER

CHEMICAL FAMILY/TYPE : PAINT

DOT PROPER SHIPPING NAME: PAINT

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

SECTION X. 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: NO

NTP: NO

IARC MONOGRAPH: NO

OSHA REGULATED: NO

WARNING! THIS PRODUCT CONTAINS BENZENE AND TOLUENE, 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
MIXED XYLENES	1330-20-7	< 14
ETHYL BENZENE	100-41-4	< 2
1-METHYL-2-PYRROLIDONE	872-50-4	< 1