

MATERIAL SAFETY DATA SHEET 2

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SEBIN, LAMINATES NAHS 80% VOC

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SECTION 1**PRODUCT IDENTIFICATION**

PRODUCT NAME OR NUMBER..... SEBIN1D
 TRADE NAME OR CHEMICAL NAME... SEBIN, LAMINATES NAHS 80% VOC
 SYNONYMS..... NA
 FORMULA..... TSI1901
 CHEMICAL FAMILY..... NA
 MOLECULAR WEIGHT..... NA
 NFPA..... NA
 HMIS RATING..... HEALTH=1; FLAMMABILITY=3; REACTIVITY=0

SECTION 2**HAZARDOUS INGREDIENTS / HAZARD DATA**

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>SEC. 313</u>
BUTYL ESTER OF PVM/MA COPOLYMER	25119-68-0	10	1000 ppm	1000 ppm	No
ETHANOL	64-17-5	75	1000 ppm	1000 ppm	No

Information for mixtures is based on constituent MSDS which are available upon request. (Minus Proprietary Trade Names).

SECTION 3**PHYSICAL DATA**

BOILING/MELTING POINT @760 mm Hg... 173°F
 pH..... @ 25°C = 5.2 - 5.6 (10% SOLUTION)
 VAPOR PRESSURE mm Hg @20°C..... 44.6mm @ 20°C
 VAPOR DENSITY (Air = 1)..... >1
 PERCENT VOLATILE BY WEIGHT (%)..... NA
 SPECIFIC GRAVITY OR BULK DENSITY... @ 25°C = 0.840 - 0.860
 SOLUBILITY IN WATER..... SOLUBLE
 EVAPORATION RATE (BuAc = 1)..... >1
 APPEARANCE..... CLEAR LIGHT STRAW LIQUID
 ODOR..... FRESH FLORAL SCENT
 INTENSITY..... NA

SECTION 4**FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT °F (Test Method)..... 63°F TCC
 AUTOIGNITION TEMPERATURE..... NA
 FLAMMABILITY LIMITS IN AIR (% V)... LEL=1.8%; UEL=9.5%
 EXTINGUISHING MEDIA..... CARBON DIOXIDE, FOAM, DRY CHEMICAL
 SPECIAL FIRE FIGHTING PROCEDURES... NONE
 UNUSUAL FIRE & EXPLOSION HAZARDS... NONE

SEBIN, LAMINATES NAHS 80% VOCSECTION 5 HEALTH HAZARD DATA * EFFECTS OF OVEREXPOSURE

SKIN CONTACT.....None known.
 EYE CONTACT.....Direct contact of product with eyes may cause irritation, and may result in irreversable damage.
 INHALATION.....None known.
 INGESTION.....If ingested may cause nausea and vomiting. If in aerosol form ingestion not likely
 CHRONIC EFFECTS
 OF OVEREXPOSURE....None known.
 TOXICOLOGICAL
 TEST DATA.....No results available.

SECTION 6 EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Wash excess material from skin with soap and water.
 EYES.....Flush eyes with generous amounts of water for at least 15 minutes. Consult a physician if irritation occurs or worsens.
 INGESTION...Product is not likely to be ingested. If this occurs, treat symptomatically. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.
 INHALATION...Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY..... STABLE
 Conditions to Avoid..... KEEP AWAY FROM ACIDS, ALKALIES AND STRONG OXIDIZERS.
 CHEMICAL INCOMPATIBILITY..... ACIDS, STRONG ALKALIES AND OXIDIZERS
 HAZARDOUS DECOMPOSITION PRODUCTS... NONE
 HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR.
 Conditions to Avoid..... NONE KNOWN.
 CORROSIVE TO METAL..... NO
 OXIDIZER..... NA

SECTION 8 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....None required.
 VENTILATION.....Normal ventilation.
 PROTECTIVE CLOTHING.....Not necessary except as good industrial practice.
 EYE PROTECTION.....Not necessary except as good industrial practice.
 OTHER PRECAUTIONS.....Avoid excessive inhalation. Read and follow all label directions and cautions. Use only as directed.

SECTION 9 ENVIRONMENTAL DATA

ENVIRONMENTAL TOXICITY DATA..... NA
 SPILL OR LEAK PROCEDURES..... CONTAIN SPILL, ABSORB WITH "SOCKS" OIL-DRY CHEMICAL OR OTHER SUITABLE ABSORBENT.
 HAZARDOUS SUBSTANCE SUPERFUND... NA
 WASTE DISPOSAL METHOD..... BURY OR INCINERATE IN APPROVED DISPOSAL FACILITIES AND IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
 HAZARDOUS WASTE 40CFR261..... D001
 CONTAINER DISPOSAL..... EMPTY CONTAINERS MAY BE DISPOSED OF AS NORMAL REFUSE. RECYCLE WHENEVER POSSIBLE.

SECTION 10 SHIPPING DATA - HIGHWAY

D.O.T. PROPER SHIPPING NAME..... CONSUMER COMMODITY
 HAZARDOUS SUBSTANCE 49CFR CERCLA... NA

SEBIN, LAMINATES NAHS 80% VOC**SECTION 10****SHIPPING DATA - HIGHWAY**

CONT'D

D.O.T. HAZARD CLASS..... ORM-D
 D.O.T. LABELS REQUIRED..... NONE
 D.O.T. PLACARDS REQUIRED..... NONE
 POISON CONSTITUENT..... NONE
 BILL OF LADING DESCRIPTION..... CONSUMER COMMODITY ORM-D
 EMERGENCY RESPONSE GUIDE NUMBER... NAERG #171
 EMERGENCY TELEPHONE NUMBER..... CHEM-TEL 1-800-255-3924
 UN/NA CODE..... NONE

SECTION 11**SHIPPING DATA - IATA (AIR)**

IATA PROPER SHIPPING NAME..... UP TO 17 FL. OZ. IS CONSUMER COMMODITY; OVER 17 FL. OZ IS ETHANOL SOLUTIONS
 IATA HAZARD CLASS..... UP TO 17 FL. OZ. IS CLASS 9; OVER 17 FL. OZ. IS CLASS 3
 IATA LABELS REQUIRED - PRIMARY.... UP TO 17 FL. OZ. IS A MISCELLANEOUS LABEL; OVER 17 FL. OZ. IS A FLAMMABLE LIQUID LABEL
 IATA LABELS REQUIRED - SECONDARY... NONE
 BILL OF LADING DESCRIPTION..... UP TO 17 FL. OZ. IS CONSUMER COMMODITY, 9, ID8000; OVER 17 FL. OZ. IS ETHANOL SOLUTION, 3, UN1170, II
 UN/NA CODE..... UP TO 17 FL. OZ. IS ID8000; OVER 17 FL. OZ. IS UN1170
 PACKING INSTRUCTION..... UP TO 17 FL. OZ. IS 910; OVER 17 FL. OZ. IS Y305 OR IF OVER 1 LITER 305
 EMERGENCY RESPONSE GUIDE NUMBER... 127
 EMERGENCY RESPONSE TELEPHONE NO... CHEM-TEL 1-800-255-3924

SECTION 12**SHIPPING DATA - IMDG (WATER)**

IMDG PROPER SHIPPING NAME..... ETHANOL SOLUTIONS
 IMDG HAZARD CLASS..... 3.2
 IMDG LABELS REQUIRED - PRIMARY.... UP TO 17 FL. OZ. NO LABEL REQUIRED; OVER 17 FL. OZ. FLAMMABLE LIQUID LABEL
 IMDG LABELS REQUIRED - SECONDARY... HOLLOW DIAMOND SYMBOL WITH UN 1170 MARKED AT THE CENTER
 IMDG PLACARDS REQUIRED..... NONE
 BILL OF LADING DESCRIPTION..... UP TO 17 FL. OZ. ETHANOL SOLUTIONS, 3, UN1170, II, LIMITED QUANTITIES; OVER 17 FL. OZ. ETHANOL SOLUTIONS, 3, UN1170, II
 MARINE POLLUTANT..... NO
 EMERGENCY RESPONSE GUIDE NUMBER... 127
 EMS NUMBER..... 3-06
 MFAG NUMBER..... 305
 EMERGENCY TELEPHONE NUMBER..... CHEM-TEL 1-800-255-3924
 IMDG PAGE NUMBER..... 3219
 UN CODE..... UN1170

SECTION 13**ADDITIONAL INFORMATION**

This Material Safty Data Sheet (MSDS) Has bee prepared in compliance with OSHA Hazard Communication Standard 29CFR 1910,1200
 The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date issued.
 We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. The information is offered for the user's consideration and examination, and it is the user's responsibility to satisfy himself that it is suitable and complete for his particular use.

PREPARED BY: B. MacGREGOR TECHNICAL DIRECTOR

ABBREVIATIONS: