

**ACCUMETRIC LLC  
350 RING ROAD  
ELIZABETHTOWN, KY 42701  
270-769-3385**

**MATERIAL SAFETY DATA SHEET**

**BOSS® 346 Solvent Based Subfloor and Construction Adhesive**

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**SECTION 1. PRODUCT AND COMPANY INFORMATION**

PRODUCT NAME: BOSS® 346 SOLVENT BASED SUBFLOOR AND  
CONSTRUCTION ADHESIVE  
HAZARD RATING: HEALTH: 1; FIRE: 3; REACTIVITY: 0; PPI: B  
COMPANY NAME: ACCUMETRIC INC.  
350 RING ROAD  
ELIZABETHTOWN, KY 42701  
CONTACT: SAFTEY OFFICER  
EMERGENCY PHONE: 24 HOURS CALL CHEMTREC  
CHEMTREC (24 HRS): 800-424-9300

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**SECTION 2. INGREDIENT AND HAZARD INFORMATION**

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>TSCA</u>
LIGHT ALIPHATIC NAPHTHA	64742-89-8	15 – 25	Y
TOLUENE	108-88-3	5 – 10	Y
HEXANES (~50% n-hexane)	110-54-3	5 – 10	Y
ETHANOL	64-17-5	< 5.0	Y

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**SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES**

FORM:	NON-SAG MASTIC
APPEARANCE/COLOR:	TAN
ODOR:	SLIGHT, HYDROCARBON
SOLUBILITY (IN WATER):	INSOL. IN WATER
pH VALUE, +/-3:	NOT APPLICABLE
BOILING RANGE:	160.°F – 230.°F (71.11°C – 110.°C)
VAPOR PRESSURE (mmHg):	155. @ 68.°F (20.°C)
EVAPORATION RATE:	4.8 TIMES FASTER THAN n-BUTYL ACETATE
VAPOR DENSITY:	HEAVIER THAN AIR
% VOLATILE, WEIGHT:	34.%
% VOLATILE, VOLUME:	45.%
SPECIFIC GRAVITY:	1.043
VOC:	385 Gr/L
HEAVY ELEMENTS:	0.

**NOTE:**

\*\*BOIL RANGE, EVAP RATE, VAPOR PRESSURE, AND VAPOR DENSITY FOR SOLVENT ONLY!!!

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**SECTION 4. FIRE FIGHTING MEASURES – (FLASH, UEL, LEL FOR SOLVENT ONLY)**

FLAMMABILITY CLASS:	I B
FLASH RANGE:	0.°F - 60.°F (-17.78°C – 15.56°C) Tag Closed Cup
EXPLOSIVE RANGE (LEL/UEL):	1.% 6.5%

**EXTINGUISHING MEDIA:**

CARBON DIOXIDE—DRY CHEMICAL—FOAM  
USE WATER TO COOL MATERIAL IN VICINITY OF FIRE.

**SPECIAL FIRE FIGHTING PROCEDURES:**

USE SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

WATER MAY BE UNSUITABLE EXCEPT AS A COOLING AGENT. USE FOG NOZZLE. ANY CLOSED CONTAINER MAY RUPTURE WHEN EXPOSED TO EXTREME HEAT. SOLVENT VAPORS ARE HEAVIER THAN AIR AND TRAVEL ALONG THE GROUND.

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## SECTION 5. HEALTH HAZARD DATA

### ROUTES OF ENTRY:

#### ENTRY THROUGH...

INHALATION? YES  
SKIN? YES  
INGESTION? YES

#### TARGET ORGANS...

NORMAL EXPOSURE: EYES, SKIN IRRITATION  
OVEREXPOSURE - - LIGHT ALIPH: CENTRAL NERVOUS SYSTEM,  
- - ETHANOL: LIVER EFFECTS  
- - TOLUENE: CENTRAL NERVOUS SYSTEM,  
RESPIRATORY TRACT, MAY AGGRAVATE PRE-  
EXISTING HEART CONDITIONS. MAY CAUSE  
ADVERSE HEALTH EFFECT ON KIDNEY AND  
LIVER ON CHRONIC OVEREXPOSURE.

#### CARCINOGENICITY...

NTP? N/E  
IARC MONOGRAPHS? N/E  
OSHA? NO

### EFFECTS OF OVEREXPOSURE

EYES: CAN CAUSE IRRITATION, REDNESS, TEARING AND BLURRED VISION  
SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, REDNESS, DEFATTING AND DERMATITIS.  
INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE RESPIRATORY IRRITATION, HEADACHE, DIZZINESS, AND FATIGUE. HIGH CONCENTRATIONS OF VAPORS ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.  
INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. SWALLOWING VERY SMALL AMOUNTS IS NOT LIKELY TO BE HARMFUL.  
CHRONIC EXPOSURE TO HIGH LEVELS OF SOLVENT VAPORS MAY CAUSE PERMANENT ADVERSE EFFECTS OF THE BRAIN AND NERVOUS SYSTEM.

### FIRST AID MEASURES

EYES: FLUSH EYES GENTLY WITH WATER FOR AT LEAST 15 MINUTES, LIFTING EYELIDS OCCASIONALLY; GET PROMPT MEDICAL ATTENTION.  
SKIN: WASH THOROUGHLY WITH SOAP AND WATER; APPLY A MILD SKIN CREAM. REMOVE CONTAMINATED CLOTHING.

INHALATION: MOVE AFFECTED PERSON TO FRESH AIR; IF BRATHING IS DIFFICULT, ADMINISTER OXYGEN; IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.

INGESTION: **DO NOT INDUCE VOMITING!** GET IMMEDIATE MEDICAL ATTENTION.

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## **SECTION 6. STABILITY AND REACTIVITY**

STABILITY: THIS PRODUCT IS STABLE

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

### **INCOMPATABILITY**

KEEP AWAY FROM STRONG OXIDIZING AGENTS SUCH AS BLEACH.

### **CONDITIONS TO AVOID**

KEEP AWAY FROM HEAT, SPARK, OPEN FLAMES AND ANY IGNITION SOURCE.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

WILL PRODUCE FUMES AND SMOKE CONTAINING CARBON MONOXIDE AND DIOXIDE UNDER FIRE CONDITIONS.

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## **SECTION 7. ACCIDENTAL RELEASE AND DISPOSAL MEASURES**

### **STEPS TO BE TAKEN IN CASE OF SPILL**

ELIMINATE ALL IGNITION SOURCES. VENTILATE CONFINED AREAS. (OPEN WINDOWS AND DOORS.) WEAR APPROPRIATE PROTECTIVE CLOTHING. COVER WITH ABSORBENT. SCOOP INTO SEALABLE SAFETY CONTAINER.

### **WASTE DISPOSAL METHOD**

DISPOSE OF FOLLOWING LOCAL, STATE AND FEDERAL REGULATIONS.

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **OCCUPATIONAL EXPOSURE LIMITS**

INGREDIENT: LIGHT ALIPHATIC NAPHTHA

ACGIH TLV: 400.00 PPM

ACGIH TLV-C: N/EST

ACGIH STEL: N/EST

OSHA STEL: N/EST

OSAH PEL: 500.00 PPM

INGREIDENT: TOLUENE

ACGIH TLV: 100.00 PPM  
ACGIH TLV-C: N/EST  
ACGIH STEL: 150.00 PPM  
OSHA STEL: 150.00 PPM  
OSHA PEL: 150.00 PPM

INGREDIENT: HEXANES (~50% n-hexane)  
ACGIH TLV: 50.00 PPM  
ACGIH TLV-C: N/EST  
ACGIH STEL: N/EST  
OSHA STEL: N/EST  
OSHA PEL: 50.00 PPM

INGREDIENT: ETHANOL  
ACGIH TLV: 1000.00 PPM  
ACGIH TLV-C: N/EST  
ACGIH STEL: N/EST  
OSHA STEL: N/EST  
OSHA PEL: 1000.00 PPM

#### **RESPIRATORY PROTECTION**

IF TLV OF THE PRODUCT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLY RESPIRATOR IS ADVISED IN THE ABSENCE OF PROPER VENTILATION. OSHA REGULATIONS ALSO PERMIT THE USE OF OTHER TYPES OF NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR MORE INFORMATION.)

#### **VENTILATION**

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV. VENTILATE DURING APPLICATION AND CURING OF THIS PRODUCT.

#### **PROTECTIVE CLOTHING**

RUBBER GLOVES SHOULD BE WORN WHERE SKIN CONTACT IS LIKELY. WEAR IMPERVIOUS CLOTHING AND SHOES.

#### **EYE PROTECTION**

CHEMICAL GOGGLES OR SAFETY GLASSES SHOULD BE WORN.

#### **HANDLING AND STORAGE PRECAUTIONS**

KEEP AWAY FROM HEAT, SPARK AND FLAME.  
KEEP OUT OF REACH OF CHILDREN.  
KEEP CONTAINER CLOSED WHILE NOT IN USE.  
DO NOT CUT OR BURN RECEPTICALS THAT HAVE CONTAINED A SOLVENT BASED PRODUCT. DO NOT REUSE THIS CONTAINER.

USE ONLY IN A WELL-VENTILATED AREA.

N/A=NOT APPLICABLE

N/AV=NOT AVAILABLE

N/E, N/EST=NOT ESTABLISHED

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## SECTION 9. TRANSPORT INFORMATION

### DOT CLASSIFICATION FOR CARTRIDGES 10 OR 29 OZ.

DESCRIPTION: ORM-D, CONSUMER COMMODITY  
CLASS/UN NO.: NONE  
DOT LABEL: ORM-D (ADHESIVES)  
IMDG CLASS: 3.1  
IMDG BOL: ADEHSIVE, 3, UN1133, PG III, LTD QTY

### DOT CLASSIFICATIONS FOR 1 GALLON OR LARGER CONTAINERS

DESCRIPTION: ADHESIVE  
CLASS: CLASS 3, PACKING GROUP III  
DOT LABEL: FLAMMABLE ADHESIVE, UN 1133  
IMDG CLASS: 3.1  
IMDG BOL: ADHESIVE, 3, UN1133, PG III

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## SECTION 10. REGULATORY INFORMATION

### SARA TITLE III SECTION 313

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIRMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372:

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
TOLUENE	108-88-3	5 – 10
HEXANES (~50% n-hexane)	110-54-3	5 – 10

### -PROP 65 (TERATOGEN)

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
TOLUENE	108-88-3	5 - 10

THIS MATERIAL FITS THE EPA HAZARD CATEGORY DEFINITION OF IMMEDIATE (ACUTE) AND DELAYED (CHRONIC) HEALTH HAZARDS AND FIRE HAZARD UNDER SARA SECTION 311, 312.

**DISCLAIMER**

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE AS OF THE DATE OF PREPARATION OF THIS MSDS AND WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA. WE SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS INFORMATION, OR OF ANY PRODUCT, METHOD, OR APPARATUS MENTIONED, AND THE USER MUST MAKE HIS OWN INVESTIGATION TO DETERMINE THE SUITABILITY OF THE INFORMATION OR PRODUCTS FOR HIS PARTICULAR PURPOSE, FOR THE PROTECTION OF THE ENVIRONMENT, AND THE HEALTH AND SAFETY OF THE USERS OF THIS MATERIAL.

MSDS DATE:           NOVEMBER 30, 2000