

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

MATERIAL SAFETY DATA SHEET

BOSS® 347 Multipurpose Construction Adhesive

SECTION 1. PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: BOSS® 347 MULTIPURPOSE 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

SECTION 2. INGREDIENT AND HAZARD INFORMATION

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>TSCA</u>
LIGHT HYDROTREATED NAPHTHA	64742-48-9	15 – 25	Y
HEXANES (~50% n-hexane)	110-54-3	10 - 15	Y

SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	TAN, NON-SAG MASTIC
SOLUBILITY (IN WATER):	INSOL.
pH VALUE, +/- .3:	N/A NOT APPLICABLE
BOILING RANGE:	155.°F – 275.°F (68.33°C – 135.°C)
VAPOR PRESSURE (mmHg):	OVER 99. @ 68.°F (20.°C)
EVAPORATION RATE:	4.4 TIMES FASTER THAN n-BUTYL ACETATE
VAPOR DENSITY:	HEAVIER THAN AIR
% VOLATILE, WEIGHT:	32.%
% VOLATILE, VOLUME:	40.%
SPECIFIC GRAVITY:	1.162
VOC:	357 Gr/L
HEAVY ELEMENTS:	0.

NOTE:

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

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

FLAMMABILITY CLASS:	IB
FLASH RANGE:	APPROX. 0.°F - 18.°F (-17.78°C – -7.78°C) Tag Closed Cup
EXPLOSIVE RANGE (LEL/UEL):	1.0% 6.7%

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.

SECTION 5. HEALTH HAZARD DATA

ROUTES OF ENTRY:

ENTRY THROUGH...

INHALATION? YES

SKIN? YES

INGESTION? YES

TARGET ORGANS...

NORMAL EXPOSURE: -- HEXANE: EYES, SKIN

-- LIGHT TREATED NAPHTHA: EYES, SKIN

OVEREXPOSURE -- HEXANE: CENTRAL NERVOUS SYSTEM,.

-- LIGHT TREATED NAPHTHA: CENTRAL
NERVOUS SYSTEM

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 SOLENT 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 BREATHING IS DIFFICULT, ADMINISTER OXYGEN; IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.

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

SECTION 6. STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

INCOMPATIBILITY

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.

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.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT:	LIGHT HYDROTREATED NAPHTHA
ACGIH TLV:	400.00 PPM
ACGIH TLV-C:	N/EST
ACGIH STEL:	N/EST
OSHA STEL:	N/EST
OSAH PEL:	400.00 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

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

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

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>
HEXANES (~50% n-hexane)	110-54-3	10 – 15

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

CALIFORNIA PROP.65 CHEMICALS: NONE KNOWN

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 SUITABLILITY 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, 2003