

BST-100  
12/21/04

M A T E R I A L   S A F E T Y   D A T A   S H E E T

PRODUCT NAME: BIOSTRIP  
PRODUCT CODE: BST-100

HMIS CODES: H F R P  
2 1 0 G

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: AMTECO, INC.

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===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

| REPORTABLE COMPONENTS   | CAS NUMBER | WEIGHT PERCENT |
|---|------------|----------------|
| N-METHYLPYRROLIDONE<br>ACGIH TLV: TWA 100PPM  | 872504     | 32             |
| SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC<br>OSHA PEL: 200PPM, ACGIH TLV: 200PPM   | 64742-95-6 | 12             |
| TERPENE HYDROCARBONS<br>OSHA PEL: N/A, ACGIH TLV: N/A, OTHER: N/A                   | MIXTURE    | 10             |
| SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC<br>OSHA PEL: 500PPM, ACGIH TLV: 100PPM | 64742-88-7 | 2              |

N/A

COMBUSTIBLE LIQUID NOS, NA 1993, PG.III EMG GUIDE #128

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 300-355 F - 396 F      SPECIFIC GRAVITY (H2O=1): 1.01  
VAPOR DENSITY: HEAVIER THAN AIR      EVAPORATION RATE: SLOWER THAN ETHER  
COATING V.O.C.: 8.26 lb/gl      MATERIAL V.O.C.: 8.26 lb/gl  
SOLUBILITY IN WATER: INSOLUBLE  
APPEARANCE AND ODOR:

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 111 F      METHOD USED: TCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1      UPPER: 9.5

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES

WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

UNUSUAL FIRE AND EXPLOSION HAZARDS

WATER MAY BE USED TO COOL CONTAINERS. VAPORS MAY CAUSE FLASH FIRES. KEEP CONTAINERS TIGHTLY CLOSED AND ISOLATE FROM HEAT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR CONTAINERS EVER IF EMPTY. RESIDUE CAN STILL IGNITE.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

AVOID CONTACT WITH STRONG OXIDIZERS, HIGH TEMPERATURES AND OPEN IGNITION SOURCES.

INCOMPATIBILITY (MATERIALS TO AVOID)

OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

VAPORS OR SPRAY MIST MAY CAUSE IRRITATION TO NOSE, THROAT AND RESPIRATORY TRACT. HIGH VAPOR CONCENTRATIONS MAY RESULT IN CENTRAL NERVOUS SYSTEM DEPRESSION. SYMPTOMS INCLUDE HEADACHE, DIZZINESS AND NAUSEA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

LIQUID AND VAPORS MAY BE SLIGHTLY IRRITATING TO THE EYES CAUSING TEARING AND REDNESS. LIQUID AND SPRAY MIST CAN BE SLIGHTLY IRRITATING TO THE SKIN WHICH MAY RESULT IN DRYNESS AND IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

THIS PRODUCT IS NOT EASILY ABSORBED. PROLONGED CONTACT MAY RESULT IN THE EXTRACTION OF NATURAL OILS CAUSING IRRITATION AND DRYNESS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

TOXIC IF SWALLOWED. WILL CAUSE VOMITING, NAUSEA, DIARRHEA. HIGH CONCENTRATIONS CAN CAUSE COLLAPSE, PNEUMONIA AND CONVULSIONS.

HEALTH HAZARDS (ACUTE AND CHRONIC)

BREATHING DIFFICULTIES, DIZZINESS, LOSS OF COORDINATION AND HEADACHE ARE SIGNS OF EXPOSURE TO CONCENTRATIONS ABOVE THE TLV.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A  
N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE  
PRE-EXISTING DISORDERS OR DISEASES OF THE SKIN, EYE, LIVER, KIDNEY, NERVOUS  
SYSTEM, RESPIRATORY AND/OR PULMONARY SYSTEM, LUNG (E.G. ASTHMA-LIKE CONDITIONS).

#### EMERGENCY AND FIRST AID PROCEDURES

INHALATION: MOVE SUBJECT TO FRESH AIR. RESTORE BREATHING IF NECESSARY. TREAT SYMPTOMATICALLY AND CONSULT PHYSICIAN. EYE & SKIN CONTACT: FLUSH EYES WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. SEE A PHYSICIAN IMMEDIATELY. WASH SKIN AFTER REMOVING CONTAMINATED CLOTHING WITH MILD SOAP AND WATER FOR 15 MINUTES. SEE PHYSICIAN IF IRRITATION PERSISTS. INGESTION: DRINK 1-2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY. NEVER GIVE LIQUIDS TO AN UNCONSCIOUS PERSON.

#### ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
STOP SPILL AT SOURCE. ELIMINATE ALL IGNITION SOURCES (FLARES, OPEN FLAMES, PILOT LIGHTS, ELECTRICAL SPARKS). USE ONLY NON SPARKING TOOLS FOR CLEAN UP. SUPPLY ADEQUATE VENTILATION. AVOID BREATHING OF VAPORS, USE RESPIRATOR. CONTAIN AND REMOVE WITH INERT ABSORBENT.

#### WASTE DISPOSAL METHOD

DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

KEEP ALL CONTAINERS TIGHT AND IN AN UPRIGHT POSITION TO PREVENT LEAKS. STORE CONTAINERS OUT OF SUN AND AWAY FROM ALL HEAT SOURCES. THIS MATERIAL SHOULD BE GROUNDED WHEN POURING. DO NOT STORE NEAR HEAT, SPARKS OR OPEN FLAME.

#### OTHER PRECAUTIONS

DO NOT TAKE INTERNALLY.

#### ===== SECTION VIII - CONTROL MEASURES =====

#### RESPIRATORY PROTECTION

DO NOT BREATHE VAPORS OR SPRAY MIST. WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING APPLICATION AND OTHER USE OF THIS MATERIAL UNTIL VAPORS AND MISTS ARE EXHAUSTED AND EXPOSURE IS BELOW LISTED TLV(S). USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPORS.

#### VENTILATION

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATIONS BELOW GIVEN TLV AND LEL LEVELS. IF LOCAL EXHAUST DOES NOT DEEP VAPOR CONCENTRATIONS BELOW LISTED

LEVELS MECHANICAL EXHAUST IS REQUIRED.

PROTECTIVE GLOVES

IMPERMEABLE CHEMICAL RESISTANT GLOVES SUCH AS NEOPRENE COATED GLOVES.

EYE PROTECTION

USE SAFETY EYEWEAR WITH SIDE SHIELDS TO PROTECT AGAINST CHEMICAL SPLASH OF LIQUIDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

EYE BATH AND SHOWERS SHOULD BE READILY AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

WORK/HYGIENIC PRACTICES

WASH HANDS BEFORE AND AFTER EATING, SMOKING AND USING THE BATHROOM.

===== SECTION IX - DISCLAIMER =====

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