

Woodland Industries, Inc.

1520 Kalamazoo Drive-Griffin, GA 30224

800-806-0393

MATERIAL SAFETY DATA SHEET

ASPHALT FELTS

SECTION 1 PRODUCT INFORMATION

PRODUCT NAMES	15 PLAIN 432 SQ. FT. 15 PLAIN 400 SQ. FT. 15 PLAIN 216 SQ. FT. 15 PERFORATED 432 SQ. FT. 30 PLAIN 216 SQ. FT. 30 PLAIN 200 SQ. FT. 30 SPLIT 216 SQ. FT. 15 ASTM TYPE I 432 SQ. FT. 30 ASTM TYPE I 216 SQ. FT.
BRAND NAME	WOODLAND INDUSTRIES, INC.
MANUFACTURER'S NAME	WOODLAND INDUSTRIES, INC.
ADDRESS	1520 KALAMAZOO DRIVE GRIFFIN, GA 30224
EMERGENCY PHONE NUMBERS	GRIFFIN, GA 770-228-6102 FAX 770-228-6158
PRODUCT USE	ON FLAT ROOFS: FOR BUILT UP ROOFING (BUR). ON INCLINED ROOFS: AS UNDERLAYMENT UNDER SHINGLES. ON WALLS: AS EXTERNAL SHEATHING FOR WATERPROOFING. AS GENERAL WATER SHEDDING MATERIAL: AS WATER SHEDDING BREATHING MEBRANE. AS AN AIR BARRIER FOR EXTERNAL CLADDING OF STRUCTURES.

SECTION 2 PREPARATION INFORMATION

PREPARED BY:	WOODLAND INDUSTRIES, INC. 1520 KALAMAZOO DRIVE GRIFFIN, GA 30224
DATE OF PREPARATION:	MARCH 9, 1999

EFFECTS OF OVEREXPOSURE

INHALATION	FUMES FROM HOT ASPHALT CAUSE NAUSEA, HEADACHE, DIZZINESS
SKIN AND EYES	HOT ASPHALT BURNS SKIN AND EYES. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS.
INGESTION	INGESTION IS UNLIKELY
NOTE:	UNDER EXTREME HEAT, PRODUCT MAY LIBERATE HOT FLUID ASPHALT.

SECTION 9 FIRST AID

EMERGENCY AND FIRST AID PROCEDURES INFORMATION

SKIN	FOR HOT ASPHALT SPLASH, COOL PART BY WATER IMMERSION OR SHOWER. DO NOT ATTEMPT REMOVAL OF ASPHALT BUT SPLIT LONGITUDINALLY OF CIRCUMFERENTIAL TO AVOID TOURNIQUET EFFECT. FOR SKIN SOILING WITHOUT UNDERLYING BURN, CLEANSE WITH MINERAL OIL FOLLOWED BY SOAP AND WATER. USE OLIVE OIL IN VICINITY OF EYES.
EYES	COPIUOS WARM WATER FLUSH 15 MINUTES. PHYSICIAN ASSESSMENT IF EYES INFLAMED. CLEANSE SOILING WITH OLIVE OIL
INHALATION	EVACUATE TO FRESH AIR. APPLY CARDIOPULMANARY RESUSCITATION IF REQUIRED, PHYSICIAN ASSESSMENT MANDATORY.
INGESTION	NOT APPLICABLE.

SECTION 10 HANDLING PRECAUTIONS

FOR PRODUCT AS PRODUCED NO
SPECIAL PROTECTION IS ESSENTIAL
OTHER THAN WEARING OF GLOVES
TO PROTECT HAND FROM PHYSICAL
SCRATCHES OR ASPHALTIC STAINS.

SECTION 11 ADDITIONAL INFORMATION

FOR PRODUCT AS PRODUCED AND
USED, NO SPECIAL PROCEDURES OF
SAFETY ARE ESSENTIAL.

SHOULD PRODUCT CATCH FIRE
THROUGH EXTERNAL SOURCE,
REMAIN UPWIND OF FIRE. AVOID
SKIN AND EYE CONTACT, AVOID
INHALATION OF FUMES.

SINCE THIS PRODUCT IS A "MANUFACTURED ARTICLE" WOODLAND INDUSTRIES, INC. IS
NOT REQUIRED BY LAW TO PRODUCE A MATERIAL SAFETY DATA SHEET. THIS
MATERIAL SAFETY DATA SHEET IS PROVIDED AS A CUSTOMER SERVICE INFORMATION.

THE RECOMMENDATIONS AND DATA PRESENTED ARE BELIEVED TO BE CORRECT,
HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF
THE RESULTS OBTAINED FROM THE USE OF THIS INFORMATION.

SECTION 3 HAZARDOUS INGREDIENTS

ASPHALT

30% TO 60%

SECTION 4 PHYSICAL DATA

1. PHYSICAL STATE

SOLID (ASPHALT COATED,
SURFACED SHEETS).

2. ODOR AND APPEARANCE

SLIGHT PETROLEUM ODOR-SHEET
FORMS COLORED MINERAL
GRANULES/WHITE TALC OR
SAND COVERED.
BLACKISH (ASPHALTIC) COLORS
ALSO.

3. SPECIFIC GRAVITY

1.8 TO 2.5

4. BOILING POINT

NOT APPLICABLE

5. VAPOR PRESSURE

NOT APPLICABLE

6. SOLUBILITY IN WATER

NOT APPLICABLE

SECTION 5 FIRE AND EXPLOSION DATA

FLASH POINT
(METHOD USED = COC)

MINIMUM 265 DEGREES C (APPROX)

FLAMMABLE LIMITS IN AIR
(% BY VOLUME)

UNKNOWN

AUTO-IGNITION TEMPERATURE

370-480 DEGREES C (APPROX)

FIRE AND EXPLOSION HAZARDS

ADDITION OF WATER OR FOAM MAY
CAUSE FROTHING. FLAMMABLE GAS
EMITTED ON HEATING.

EXTINGUISHING MEDIA

WATER SPRAY, DRY CHEMICAL,
CARBON DIOXIDE FOR SMALL FIRES

FIREFIGHTING PROCEDURES

USE WATER SPRAY TO COOL FIRE-
EXPOSED CONTAINERS AND AS A
PROTECTIVE SCREEN. DO NOT POINT
SOLID WATER DIRECTLY INTO
BURNING ASPHALT TO AVOID
SPREADING. SELF-CONTAINED
BREATHING APPARATUS SHOULD BE
WORN TO PROTECT AGAINST
POSSIBLE RELEASE OF HYDROGEN
SULPHIDE AND SULPHUR DIOXIDE IF
MATERIAL IS BURNING.

SECTION 6 REACTIVITY DATA

STABILITY	STABLE
CONDITIONS TO AVOID	EXCESSIVE HEAT APPROACHING FLASH POINT.
MATERIALS TO AVOID	OXIDIZING AGENTS, STRONG ACIDS
HAZARDOUS DECOMPOSITION	CO x, SO x, NO x
HAZARDOUS POLYMERIZATION	NOT KNOWN TO HAPPEN.

SECTION 7 ENVIRONMENTAL AND DISPOSAL INFORMATION

PRODUCT AS PRODUCED IS IN SOLID STATE. FOR DISPOSAL USE STANDARD APPROVED WASTE DISPOSAL PROCEDURES. IF PRODUCT HAS BEEN AFFECTED BY HEAT OR FIRE AND ASPHALT IN FLUID STATE HAS BEEN RELEASED FROM THE PRODUCT, THEN ALLOW TO COOL AND SOLIDIFY. BREAK IT UP AND COLLECT IN APPROPRIATE CONTAINERS SUCH AS DRUMS. DISPOSE OF IT THROUGH APPROVED WASTE DISPOSAL METHODS SUCH AS LANDFILLS, ETC.

SECTION 8 HEALTH HAZARD DATA

THIS MANUFACTURED PRODUCT AS PRODUCED AND WHEN USED UNDER AMBIENT CONDITIONS POSES NO HEALTH HAZARD.

HOWEVER, IF THE PRODUCT IS HEATED BEYOND 200 DEGREES C OR IF IT CATCHES FIRE, THEN THE MAJOR CONSTITUENT ASPHALT (BITUMEN) WILL EMANATE SLIGHTLY TOXIC FUMES. MELTED ASPHALT (BITUMEN) FROM THE PRODUCT COULD ACT AS A FUEL AND CONTRIBUTE TO THE FIRE.

TOXICITY DATA

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER STATES THAT THERE IS INADEQUATE EVIDENCE THAT BITUMENS ALONE ARE CARCINOGENIC TO HUMANS.