



MATERIAL SAFETY DATA SHEET

H.M.I.S. RATING	
Health	2
Flammability	2
Reactivity	0
Protective Equip.	

PRODUCT NAME: TROPICAL - #216 MODIFIED BITUMEN ADHESIVE ASBESTOS
FREE

PRODUCT CODE: TM216

SECTION I - MANUFACTURER IDENTIFICATION

FLORIDA PLANT	CALIFORNIA PLANT	TEXAS PLANT
Address: 1904 S.W. 31ST Ave. Hallandale Beach, FL 33009	Address: 14435 Macaw Street La Mirada, California 90638	Address: 1225 Brai Drive - P.O. Box 5335 Port Arthur, Texas 77640
E-mail: info-fl@tropicalroofingproducts.com	E-mail: info-ca@tropicalroofingproducts.com	E-mail: info-tx@tropicalroofingproducts.com
Information Phone #: (800) 432-2855	Information Phone #: (877) 827-2622	Information Phone #: (866) 727-0091
Emergency Phone #: (800) 424-9300	Emergency Phone #: (800) 424-9300	Emergency Phone #: (800) 424-9300

DATE PREPARED: June 8, 2005

DATE REVISED: February 12, 2009

PRIMARY CONTACT: Technical Services

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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS				VAPOR PRESSURE	
	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER	mm Hg	@ TEMP
AROMATIC HYDROCARBON/AROMATIC 100	64742-95-6	100PPM	100PPM	N/A	1.0	68F
HYDROCARBON RESIN/GILSONITE	12002-43-6	N/E	5MG/M3			N/A
PETROLEUM ASPHALT/BASE ASPHALT	8052-42-4	N/E	.5MG/M3	5MG/M3	3.0	68F
STODDARD SOLVENT/MINERAL SPIRITS	8052-41-3	100PPM	100PPM	N/A	3.4	68F
HYDRATED ALUMINUM-MAGNESIUM SILICATE/ATTAPULGITE	12174-11-7	15MG/M3	10MG/M3			N/A
CELLULOSE FIBER/CELLULOSE FIBER	9004-34-6	15MG/M3	10MG/M3			N/A
STYRENE-BUTADIENE-STYRENE/RUBBER COPOLYMER	9003-55-84	N/A	N/A	N/A		N/A

There are no S.A.R.A. Section 313 ingredients in this material in excess of de minimis amounts. Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

Generally, the above ingredients that do not possess a vapor pressure are pigments and are only hazardous as airborne particles when the coating begins to degrade.

The HMIS (Hazardous Materials Identification System) codes at the upper right area of this page are recognized by OSHA. The PERSONAL PROTECTION code is left blank on Tropical Roofing Products MSDSs as it depends on application technique and workplace ventilation. Please read all other sections of this MSDS before deciding on the appropriate protective equipment and beginning work.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 121 Deg F

VAPOR DENSITY: HEAVIER THAN AIR

COATING V.O.C.: 2.71 LB/GL (325 GR/LT)

MATERIAL V.O.C.: 2.71 LB/GL (325 GR/LT)

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Dark colored liquid with solvent odor.

SPECIFIC GRAVITY (H2O=1): 1.0

EVAPORATION RATE: SLOWER THAN ETHER

SECTION VI - HEALTH HAZARD DATA (CONTINUED)**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Ingredients in this product are reported to aggravate preexisting eye, skin, respiratory, kidney and liver disorders.

EMERGENCY AND FIRST AID PROCEDURES

Eye contact: Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Administer oxygen if necessary. Seek immediate medical attention.

Skin contact: Wash thoroughly with soap and water. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water to dilute. Obtain medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Avoid contact and breathing of vapors. Ventilate area. Remove ignition sources. Dike and absorb with absorbent material.

Use nonsparking tools to return material to container. Prevent material from entering sewers or open bodies of water.

WASTE DISPOSAL METHOD

Do not incinerate closed containers.

Dispose of in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep out of reach of children. Do not take internally. Avoid contact with eyes and prolonged contact with skin.

When storing, close tightly, keep upright, away from fire and high temperatures. Transfer to approved containers with complete and appropriate labeling. Avoid freefall and ground containers when transferring. Do not cut or weld empty drum.

Remove contaminated clothing and launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

OTHER PRECAUTIONS

Warning! If you scrape, sand or remove an old coating, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead.

SECTION VIII - CONTROL MEASURES**RESPIRATORY PROTECTION**

Use only with adequate ventilation. Provide adequate fresh air entry. If not wear the proper respiratory protection.

If ventilation is inadequate use an organic vapor/particulate respirator approved by NIOSH/MSHA for spray/mist vapors.

When sanding a dried coating film use a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated.

VENTILATION

Local exhaust preferable. If venting, discharge exhaust away from ignition sources.

If in confined areas, use mechanical ventilation to keep vapor concentration under permissible TLV and LEL.

PROTECTIVE GLOVES

Solvent impermeable rubber gloves required during repeated contact.

EYE PROTECTION

Splash resistant and spray mist protection required. Use splash goggles or safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Clothing adequate to protect skin. Remove and wash before reuse.

Eye wash, safety shower.

WORK/HYGIENIC PRACTICES

Normal industrial hygienic practices should be followed. Wash hands before eating, smoking or using the washroom.

===== SECTION IX - TRANSPORTATION DATA =====

DOT**Non-Bulk** Not Regulated (Combustible liquid Non-Bulk)**Bulk** Combustible liquid, n.o.s., (Petroleum Distillates), Combustible liquid, NA1993, III**or Bulk** Elevated temperature liquid, flammable, n.o.s., (Petroleum Distillates), 3, UN3256, III**Note** If bulk departs below its flash point then NA1993; but if it is at or above flash point, then UN3256.**IMDG**

IMDG Code 2.3.2.5 - exempted from marking, labeling and testing of packages

===== SECTION X - STATE ADDENDUM =====

<u>Ingredient</u>	<u>CAS Number</u>	<u>Notes</u>
MINERAL SPIRITS	8052-41-3	A Washington State Permissible Exposure for Air Contaminants material
MINERAL SPIRITS	8052-41-3	A Massachusetts Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Minnesota Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Pennsylvania Hazardous Substance List material
MINERAL SPIRITS	8052-41-3	A Florida Toxic Substance List material
MINERAL SPIRITS	8052-41-3	A New Jersey RTK Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Massachusetts Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Minnesota Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Pennsylvania Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Washington State Permissible Exposure for Air Contaminants material
PETROLEUM ASPHALT	8052-42-4	A Florida Toxic Substance List material
PETROLEUM ASPHALT	8052-42-4	Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.
AROMATIC 100	64742-95-6	See current Material Safety Data Sheet.
ATTAPULGITE	12174-11-7	Attapulgitte may contain chemicals known to the State of California to cause cancer
CELLULOSE FIBER	9004-34-6	A Massachusetts Hazardous Substance List material
CELLULOSE FIBER	9004-34-6	A Minnesota Hazardous Substance List material
CELLULOSE FIBER	9004-34-6	A Pennsylvania Hazardous Substance List material
CELLULOSE FIBER	9004-34-6	A Washington State Permissible Exposure for Air Contaminants material
GILSONITE	12002-43-6	See current Material safety Data Sheet
RUBBER POLYMER	9003-55-84	See current Material Safety Data Sheet

===== SECTION XI - DISCLAIMER =====

All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.