



Material Safety Data Sheet - MSDS

Rain Kote (RKM1, RKM4, RKM20, RKM10)

Section 1. Manufacturer Identification

Manufacturer's Name & Address:

L.H. Dottie
6131 S. Garfield Ave.
Commerce, CA 90040

Emergency Telephone Number:

1-800-255-3924

Date Revised: February 2009

Section 2. Hazardous Ingredients

HAZARDOUS COMPONENTS	CAS NUMBER	OSHA PEL	ACGIH TLV	OTHER mm Hg @ TEMP
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
PROPANAMINE ACETATE/ETHER AMINE	28701-67-9	N/E	N/E	N/A
HYDRATED ALUMINUM-MAGNESIUM SILICATE/ATTAPULGITE	12174-11-7	15MG/M3	10MG/M3	N/A
AROMATIC HYDROCARBON/AROMATIC	100 64742-95-6	100PPM	100PPM	N/A 1.0 68F
CELLULOSE FIBER/CELLULOSE FIBER	9004-34-6	15MG/M3	10MG/M3	N/A
HYDROUS ALUMINUM SILICATE/KAOLIN	1332-58-7	5MG/M3	2MG/M3	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 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 3. Physical Data

BOILING POINT: 220 Deg F

SPECIFIC GRAVITY (H2O=1): 1.1

VAPOR DENSITY: HEAVIER THAN AIR
ETHER

EVAPORATION RATE: SLOWER THAN

COATING V.O.C.: 1.90 LB/GL (228 GR/LT)

MATERIAL V.O.C.: 1.90 LB/GL (228 GR/LT)

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Dark paste with solvent odor.

Section 4. Fire and Explosion Hazard Data

FLASH POINT: 106 Deg F **METHOD USED:** T.C.C.
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.7% **UPPER:** 8.5%

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

SPECIAL FIRE FIGHTING PROCEDURES

Water may be ineffective in extinguishing fire. Use self-contained breathing apparatus. Do not use water stream on burning liquid. If water is used to cool containers near fire, fog nozzles are preferred.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat or fire. Material may splatter if exposed to extreme heat.

Decomposition of burning material may cause toxic gases to form, which may include carbon dioxide and carbon monoxide.

STABILITY: STABLE

Section 5. Reactivity Data

CONDITIONS TO AVOID

Elevated temperatures and build up of vapors. Heat, sparks and open flame. Avoid free fall.

INCOMPATIBILITY (MATERIALS TO AVOID)

Oxidizers, acids and bases.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning or decomposing film may give off carbon dioxide and or carbon monoxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

Section 6. Health Hazard Data

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Breathing difficulty, lightheadedness, headache, dizziness and nausea. Irritation to the nose, throat and lungs.

Prolonged inhalation may lead to mucous membrane irritation, central nervous system depression, and unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Irritation and watering of the eyes.

Prolonged or repeated contact can cause blurred vision and corneal injury.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Irritation of skin, redness and possible swelling.

Prolonged or repeated contact can cause dermatitis, defatting. Can be absorbed through skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Choking difficulty in breathing, gastrointestinal irritation, nausea and vomiting.

Nervous system depression, which can include drowsiness, dizziness, loss of coordination and fatigue.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Breathing difficulty, headache, dizziness, nausea and irritation to the respiratory tract. Causes eye and skin irritation.

Irritation of the digestive tract and nervous system depression.
Prolonged and repeated overexposure may cause permanent brain and or nervous system damage. Can cause dermatitis.
Sanding dust inhalation may cause lung damage. Intentional misuse through inhalation may be harmful or fatal.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

This product may contain trace amounts of crystalline silica, which is considered a hazard by inhalation that can cause silicosis.

Petroleum asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.

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 7. 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

Section 8. 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 9. Transportation Data

DOT

Non-Bulk Not Regulated (Combustible liquid Non-Bulk)

IMDG

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

Section 10. State Addendum

Ingredient	CAS Number	Notes
MINERAL SPIRITS material	8052-41-3	A Washington State Permissible Exposure for Air Contaminants
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 material	8052-42-4	A Pennsylvania Hazardous Substance List material
PETROLEUM ASPHALT	8052-42-4	A Washington State Permissible Exposure for Air Contaminants
PETROLEUM ASPHALT	8052-42-4	A Florida Toxic Substance List material
PETROLEUM ASPHALT known to	8052-42-4	Petroleum asphalt may contain detectable amounts of chemicals he State of California to cause cancer or reproductive harm.

KAOLIN	1332-58-7	A Minnesota Hazardous Substance List material
KAOLIN	1332-58-7	A Pennsylvania Hazardous Substance List material
ATTAPULGITE	12174-11-7	Attapulгите may contain chemicals known to 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 material	9004-34-6	A Washington State Permissible Exposure for Air Contaminants material
AROMATIC	100 64742-95-6	See current Material Safety Data Sheet

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.