

MATERIAL SAFETY DATA SHEET

Hydra-Guard WB Waterproofing

NFPA

Health: 2

Fire: 0

Reactivity: 0

HMIS

Health: 2

Fire: 0

Reactivity: 0

Personal Protection: J

Section I- Product and Company Identification

Manufacturer: Applied Technologies, LLC
P O Box 18476
Fairfield, OH 45018

Telephone No.: 513-939-3767

Emergency Contact Phone No.: Chem-Trec: 1-800-424-9300

Date: 01/05/03

Product Name: Hydra-Guard WB Waterproofing

CAS Number: Not Established

Product Uses: Foundation Waterproofing

Product Identification-55 gallon drums and bulk

Section II-Composition Information for Ingredients

Ingredient Name	CAS Number	% Total Weight
Petroleum Asphalt	8052-42-4	40-65
Straight Run Middle Distillate	6471-44-2	1-4
Water	7732-18-5	16-35

OSHA has not established a specific PEL for asphalt fumes. They are considered as "particulate not otherwise regulated" with a PEL of 5 mg/m³ for the respirable dust and fraction and 15 mg/m³ for total dust fraction

Section III-Hazards Identification

Primary Routes of Entry: Inhalation, skin absorption, skin contact, eye contact and ingestion.

Eye Hazards- Can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes.

Skin Hazards- Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion Hazards- Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Deliberate or direct ingestion of vapor spray or mist may be harmful or fatal.

Inhalation Hazards- Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits. Deliberate or direct inhalation of vapor or spray mist may be harmful or fatal.

Chronic/Carcinogenicity Effects- Prolonged or repeated skin contact with this product may result in irritation and dermatitis. IARC has classified extracts of steam and air refined bitumens as group 2b.

Conditions Aggravated by Exposure- Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to components of this product.

Additional Information-this petroleum-based product contains small amounts of polycyclic hydrocarbons that have been shown to cause cancer in laboratory animals. Therefore, good, prudent industrial hygiene practices as outlined in this MSDS should be followed.

Section IV- First Aid

Eye- If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart, seek immediate medical attention.

Skin- Remove contaminated clothing . Clean exposed skin with a waterless hand cleaner, then wash with soap and water.

Ingestion- Seek medical attention. Do not induce vomiting. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with the head down. If possible, do not leave person unattended.

Inhalation- If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult. administer oxygen. Keep person warm and quiet, seek immediate medical attention.

Note To Physician- Perform gastric lavage in accordance with procedures ingestion of petroleum products.

Section V-Fire Fighting Measures

Flash Point-Not determined

Auto Ignition Point: NA

Extinguishing Media- Regular foam, , carbon dioxide & dry chemicals.

Fire Fighting Instructions-DO NOT DIRECT WATER ON SUBSTANCE. Water can be used to cool closed containers. Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

Section VI-Accidental Release Measures

Small Spill- Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper personal protective equipment should be excluded from the area of the spill.

Large Spill- Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify the proper authorities as required that a spill has occurred. Persons not wearing protective equipment should be excluded from the area of the spill until clean up has been completed. Eliminate all ignition sources (flares, flames, pilot lights and electrical sparks.)

Section VII-Handling and Storage

Storage Precautions- KEEP MATERIAL FROM FREEZING.

Other Precautions- Do not handle or transfer around vehicles or inside buildings unless well ventilated for removal of vapors. Unscrew drum lid vent caps slowly. Do not unscrew entirely

Section VIII-Exposure Controls/ Protective Clothing

Eye\Face Protection- Wear chemical safety goggles and/or a face shield when material is in liquid form.

Respiratory Protection- If irritation occurs or if the PEL's, TLV's or NIOSH-PELs are exceeded, use a NIOSH/MSHA approved or purifying respirator with organic vapor cartridges or canisters and a dust/mist prefilter. In situations where the concentration of H₂S exceeds the PEL or TLV, supplied air respirators or self contained breathing apparatus are required. Always use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 CFR 1910.134.

Other General Protection-

Ventilation: Outdoor use-if atomizing, ensure adequate ventilation. Indoor use-if atomizing insure adequate building ventilation and local exhaust.

Ingredients Exposure Limits:

Petroleum Asphalt:

OSHA-PEL*N/E; ACGIH-TLV 5 mg/m³ 8-hr. TWA

Straight Run Middle Distillate

OSHA-PEL 5mg/m³, 8-hr; ACGIH-TLV 5 mg/m³, 8-hr.

Section IX-Physical and Chemical Properties

Appearance-Black or brown liquid

Chemical Type-Mixture re

Physical State-Liquid

Melting Point- NA

Specific Gravity- (H₂O=1) 1.0-1.2 for product

Boiling Point- Not determined for product; 212^o F for water

Vapor Density- air=1: not determined

pH: 8.5-9.6

Vapor Pressure-23.5 mmHG

Evaporation Rate- Not determined

% Volatile by Volume-30-50 water

Solubility- Soluble

Section X- Stability and Reactivity

Stability: Stable

Hazardous Polymerization: will not occur

Incompatible Materials- Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products- Carbon Dioxide, Carbon Monoxide, Hydrogen Sulfide and various hydrocarbon fragments.

Section XI- Toxicological Information

No data available

Section XII- Ecological Information

No data available

Section XIII-Disposal Information

Dispose of in accordance with all applicable local, state and federal regulations.

Section XIV-Transportation Information

Proper Shipping Name- Non regulated Water Based Emulsion Asphalt

Freight Class- 55

Packaging Exceptions

Bulk, Package Water-based Asphalt Liquid Per 49 CFR 172.101

Section XV- Regulatory Information

N/A

Section XVI-Other Information

NFPA RATING

Health: 2

Fire: 0

Reactivity: 0

HMS Rating

Health: 2

Fire: 0

Reactivity:0

Personal Protection: J

Precautionary Label: WARNIG- HOT ASPHALT MAY PRODUE SEVERE BURNS MAY VENT HARMFUL CONCENTRATIONS OF HYDROGEN SULFIDE GAS WHICH CANCAUSE PESPIRTORY IRRITAION AND ASPHYXIATION. LONG-TERM SKIN EXPOSURE TO COMPONENTS OF THIS PRODUCT HAS CAUSED SKIN CANCER IN LABORATORY ANIMALS.

Disclaimer

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside of our control.

Applied Technologies makes no warranties, express or implied and assumes no responsibility regarding the suitability of this information for the user's intended purpose or for the consequences of its use. Individuals should make a determination as to the suitability of the information for their particular purpose(s).