

HYLOAD, INC. MATERIAL SAFETY DATA SHEET

Hyload Asphalt Primer

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Trade Names: Hyload Asphalt Primer **Emergency Phone Number:** 800-424-9300
Description: Asphalt in solvents **International Number:** 202-483-7616
Company Identification: Hyload, Inc.
9976 Rittman Rd. **Information Number:** 330-336-6604
Wadsworth, OH 44281 **Date Prepared:** August 10, 2006

2. COMPOSITION/INFORMATION ON THE HAZARDOUS COMPONENTS

<u>Hazardous Components</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>ACGIH - TLV</u>	<u>OSHA - PEL</u>	<u>NTP</u>	<u>Carcinogenicity</u>	
						<u>IARC</u>	<u>ACGIH</u>
Asphalt	8052-42-4	<55	5 mg/ml	NE	No	2B	No
Mineral Spirits	64742-88-7	<45	100ppm	NE	No	No	No

NE - Not Established/Known
NA - Not Applicable

TLV - Threshold Limit Value
ND - No Data

PEL - Permissible Exposure Limit

3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....: Black **Odor.....: slight hydrocarbon** **Physical State.....: Liquid**
Specific Gravity.....: <1.0 **Solubility in H2O : ND** **Density.....: ~8.3 lb/gal @77F**
Boiling Point.....: 300F **Vapor Pressure.....: 2.9 mmHg** **Vapor Density.....: 4.9 @air=1**
Melting Point.....: NE **Evaporation Rate..: ~70 (Ethyl Ether=1)**
VOC.....: <450 g/l **% Volatiles.....: <45%**

Note: The physical data presented above are typical values and not to be construed as a specification

4. FIRE AND EXPLOSION HAZARD

Flash Point: 100F **Autoignition.....: ND**
Explosive Limits: Lower 0.9% Upper 6.7%

EXTINGUISHING MEDIA: Water fog, Regular foam, Carbon dioxide, Dry Chemical

FIRE FIGHTING PROCEDURES/EQUIPMENT: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water may cause frothing. Water directed into an asphalt fire may cause splatter as it evaporates.

5. REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal conditions of use.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Strong oxidizing agents. Sources of ignition. Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by any available source of ignition at locations distant from material handling point. Product can ignite explosively.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, and sulfur; various hydrocarbons. Hydrogen sulfide gas (H₂S) will likely be generated at temperatures above 450F. H₂S is extremely flammable, colorless and highly toxic.

6. HEALTH HAZARDS IDENTIFICATION

HMIS RATINGS

Health - 1

Flammability - 2

Reactivity - 0

Personal Protection - B

PRIMARY ROUTES OF EXPOSURE: Eye, Skin, Inhalation (breathing), Ingestion (swallowing).

EYE CONTACT: Can cause eye irritation evidenced by tearing, stinging, redness and swelling.

SKIN CONTACT: Can cause skin irritation. Prolonged contact may dry the skin and also result in redness, burning, and other skin damage.

INHALATION (Breathing): Breathing of vapor is possible. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at concentrations higher than the recommended exposure limits (see above).

INGESTION (Swallowing): Not expected under normal handling.

TARGET ORGANS/CHRONIC EFFECTS: Asphalt contains small amounts of polycyclic aromatic hydrocarbons which have been shown to cause cancer and respiratory problems in laboratory animals. Prolonged or repeated skin contact with this product may cause defatting and drying which could lead to dermatitis. In laboratory studies, prolonged inhalation of hydrocarbons similar to mineral spirits have resulted in kidney effects in male rats.

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of the eye, skin, mouth, throat, or gastrointestinal tract; nausea, vomiting, and diarrhea.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate individuals with pre-existing skin or respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush eyes with water for at least 15 minutes. Get prompt medical attention.

SKIN CONTACT: Remove contaminated clothing. Flush skin immediately with large amounts of cold water. If possible, submerge area in cold water and/or pack with ice. Get prompt medical attention. For other contact, wash effected area with nonabrasive soap and water. Launder clothing before reuse. If irritation develops, consult a physician.

INHALATION (Breathing): Move individual away from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms develop, seek immediate medical attention.

INGESTION (Swallowing): Do not attempt to give anything by mouth to a drowsy or unconscious person. Place individual on left side with head down. Contact a physician, medical facility, or poison control center for advise about whether to induce vomiting. Get prompt medical attention.

7. PRECAUTIONS FOR SAFE HANDLING AND USE

ACCIDENTAL RELEASE AND/OR SPILL MEASURES: For a small spill, absorb with vermiculite or other absorbant material. For large spill, eliminate all ignition sources. Stop spill at source. Persons without protective equipment should be excluded from the area until clean-up is completed. Prevent run-off into drains, sewers, streams or other bodies of water. If run-off occurs, notify authorities as required. Pump or vacuum spilled product into clean containers for recovery.

WASTE DISPOSAL METHOD: Dispose of as an industrial waste in accordance with local, state and federal regulations. Dispose of as a hazardous waste in the state of California. In Canada, dispose of the material in accordance with provincial regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Empty containers of this material may still contain residues – all hazard precautions given in this data sheet must be followed. All metal containers of this product should be grounded and/or bonded when material is transferred. During use, the container, application surface, application device, and human operator should be grounded. Hydrocarbon solvents are non-conductors of electricity and can become electrostatically charged during mixing or pumping at high flow rates. If the charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids.

OTHER PRECAUTIONS:

ENGINEERING CONTROLS/VENTILATION: If working in a confined area, local exhaust ventilation is recommended when vapors, mists, or dusts can be released.

8. CONTROL MEASURES

RESPIRATORY PROTECTION: If the workplace exposure limits of the product and/or components is exceeded, a NIOSH/MSHA approved air supply respirator is advised. Engineering and administrative controls should be implemented to reduce exposure.

VENTILATION: Product is normally used outside – none required.

PROTECTIVE GLOVES: Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

EYE PROTECTION: Wear goggles or safety glasses.

HYGIENIC PRACTICES: Wash hands with hot or warm water and soap before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored.

9. REGULATORY INFORMATION

FEDERAL: TSCA Status: The intentional ingredients of this product are listed.

CERCLA RQ – 40 CFR 302.4(a) - NE

SARA Title III - Section 311/312 - Hazard Categories: Y - Fire Hazard

N - Sudden Release of Pressure Hazard

N - Reactivity Hazard

Y - Immediate (Acute) Health Hazard

N - Delayed (Chronic) Health Hazard

SARA Section 302 Extremely Hazardous Materials: None

SARA Section 313 Toxic Chemicals: None in reportable quantities - <1%

10. OTHER INFORMATION/ADDITIONAL COMMENTS

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein- are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

The ingredients listed Composition/Information on the Components Section are embedded in the product and are provided for information.

Hyload, Inc. provides the information herein compliance with Federal hazard communication standard, 29 CFR 1910.1200, to give warning of actual and assumed hazards, and to inform of generally applicable precautions and control measures which are known to Hyload, Inc.. Hazard information is based on available scientific evidence, but is not always obtained from sources under the direction or control of Hyload, Inc.. Hyload, Inc. makes no warranty or representation that the information is accurate, reliable, complete or representative and Buyer may rely thereon only at Buyer's own risk. Hyload, Inc. warrants only that it has made no effort to censor other than trade secret information or to conceal hazards of its products. The data shown on these pages in no way modifies, amends or enlarges any specification or warranty.