SAFETY DATA SHEET
According to Regulation (EC) No 1907/2006 (REACH)

1. PRODUCT IDENTIFICATION

Trade Name(s): HD.primer1
Product Description:
Synonyms: N/A
CAS No: N/A

Supplier:
EPRO Services, Inc.
PO Box 347
Derby, KS 67037
800-882-1896 (8:00am – 5:00pm CST)

2. HAZARD(S) IDENTIFICATION

**Physical hazards**
- Flammable liquids
  Category 3

**Health hazards**
- Skin corrosion/irritation
  Category 2
- Germ cell mutagenicity
  Category 1
- Carcinogenicity
  Category 1

**Environmental hazards**
- Specific target organ toxicity, single exposure
  Category 3 narcotic effects

**OSHA defined hazards**
- Not classified.

**Label elements**

**Signal word**: Danger

**Hazard statement**: May cause genetic defects. May cause cancer. Flammable liquid and vapor. Causes skin irritation. May cause drowsiness or dizziness.

**Precautionary statement**

**Prevention**: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fumes/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/not surfaces. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Use only non-
sparking tools. Ground/bond container and receiving equipment. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned, get medical advice/attention. For specific treatment, see Section 4 Of this SDS. In case of fire: Use appropriate media for extinction. If skin irritation occurs, seek medical advice/attention. Take off contaminated clothing and wash before reuse. If INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair), take off immediately all contaminated clothing. Rinse skin with water/shower. IF ON SKIN, wash with plenty of soap and water.

Storage: Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international Regulations. See Section 13 of this SDS for disposal instructions.

Hazards not otherwise classified (HNOC): None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASPHALT, OXIDIZED</td>
<td>64742-93-4</td>
<td>60 - 70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAPHTHA (PETROLEUM),</td>
<td>64742-48-9</td>
<td>30 - 40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HYDROTREATED HEAVY BENZENE</td>
<td></td>
<td>71-43-2</td>
<td>&lt;1</td>
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</table>

4. FIRST-AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Induce artificial respiration with aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed.

Skin contact: For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. For minor skin contact, avoid spreading material on unaffected skin. Wash off with soap and plenty of water. If skin irritation occurs, get medical advice/attention.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens I present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs.

Most important symptoms/effect, acute and delayed

Indication of immediate medical attention and special treatment needed: In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information: IF exposed or concerned, get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Get medical attention if symptoms occur. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Foam. Carbon dioxide (CO2). Water fog. Dry chemical powder.

Unsuitable extinguishing media: Do not use water jet.

Specific hazards arising from the chemical: Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment and precautions for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

Fire fighting equipment/instructions: In case of fire and/or explosion do not breath fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Do not get water inside container. Some of these materials, if spilled, may evaporate leaving a flammable residue.

Specific methods: In the event of fire and/or explosion do not breath fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

Methods and materials for containment and cleaning up: Stop the flow of material, if this is without risk. Use a Non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Never return spills in original containers for re-use.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. If this material is spilled into navigable water and create a visible sheen, it I reportable to the National Response Center.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid heat, sparks, open flames and other ignition sources. Avoid breathing dust/fumes/gas/mist/vapors/spray. Wear personal protective equipment. Do not use in areas without ventilation. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not empty into drains. Hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings.


8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Asphalt, oxidized (CAS 64742-93-4)</td>
<td>REL</td>
<td>5 mg/m3</td>
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</tbody>
</table>

Biological limit values: No biological exposure limit noted for the ingredient(s).

Appropriate engineering controls: Provide adequate ventilation, including appropriate local extraction, To ensure that the defined occupational exposure limit is not exceeded.
Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses; chemical goggles (if splashing is possible).

Skin protection-Hand: Chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.

Skin protection-Other: It is a good industrial hygiene practice to minimize skin contact. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards: Not available.

General hygiene considerations: When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

<table>
<thead>
<tr>
<th>9. PHYSICAL AND CHEMICAL PROPERTIES</th>
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<tbody>
<tr>
<td><strong>Appearance:</strong> Viscous liquid</td>
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<tr>
<td><strong>Form:</strong> Liquid</td>
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<tr>
<td><strong>Odor:</strong> Mild petroleum odor</td>
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<tr>
<td><strong>pH:</strong> Not available</td>
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<tr>
<td><strong>Initial boiling point and range:</strong> 300°F (148.89°C)</td>
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<tr>
<td><strong>Evaporation rate:</strong> 70</td>
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<tr>
<td><strong>Upper/lower flammability or explosive limits:</strong> Not available</td>
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<tr>
<td><strong>Vapor density:</strong> &gt; 4.5</td>
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<tr>
<td><strong>Solubility (water):</strong> Insoluble</td>
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<tr>
<td><strong>Decomposition temperature:</strong> Not available</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong> Not available</td>
</tr>
<tr>
<td><strong>Physical state:</strong> Solid</td>
</tr>
<tr>
<td><strong>Color:</strong> Brown to Black</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong> Not available</td>
</tr>
<tr>
<td><strong>Melting point/freezing point:</strong> No data</td>
</tr>
<tr>
<td><strong>Flash point:</strong> 105.0°F (40.6°C) Tag Closed Cup</td>
</tr>
<tr>
<td><strong>Flammability (solid,gas):</strong> Not available</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong> &lt; 50 psi</td>
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<tr>
<td><strong>Relative density:</strong> Not available</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong> No data</td>
</tr>
<tr>
<td><strong>Viscosity:</strong> Not available</td>
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<tr>
<td><strong>VOC:</strong> &lt; 350 g/l</td>
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<table>
<thead>
<tr>
<th>10. STABILITY AND REACTIVITY</th>
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</thead>
<tbody>
<tr>
<td><strong>Reactivity:</strong> Not reactive</td>
</tr>
<tr>
<td><strong>Chemical stability:</strong> Stable at normal conditions</td>
</tr>
<tr>
<td><strong>Possibility of hazardous reactions:</strong> Hazardous polymerization does not occur</td>
</tr>
<tr>
<td><strong>Conditions to avoid:</strong> Heat, flames and sparks</td>
</tr>
<tr>
<td><strong>Incompatible materials:</strong> Strong oxidizing agents</td>
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<tr>
<td><strong>Hazardous decomposition products:</strong> Irritants. Carbon oxides. Sulphus oxides.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>11. TOXICOLOGICAL INFORMATION</th>
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</thead>
<tbody>
<tr>
<td><strong>Information on likely routes of exposure</strong></td>
</tr>
<tr>
<td><strong>Inhalation:</strong> Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea</td>
</tr>
<tr>
<td><strong>Skin contact:</strong> Causes skin irritation</td>
</tr>
<tr>
<td><strong>Eye contact:</strong> May be irritating to eyes</td>
</tr>
<tr>
<td><strong>Ingestion:</strong> May be harmful if swallowed</td>
</tr>
<tr>
<td><strong>Symptoms related to the physical, chemical and toxicological characteristics:</strong> Not available</td>
</tr>
</tbody>
</table>
Information on toxicological effects

Acute toxicity: Not classified
Skin corrosion/irritation: Causes skin irritation
Serious eye damage/eye irritation: May irritate eyes

Respiratory or skin sensitization
Respiratory sensitization: Not available
Skin sensitization: Causes skin irritation

Germ cell mutagenicity: May cause genetic defects

Carcinogenicity: May cause cancer
IARC Monographs. Overall Evaluation of Carcinogenicity: Not listed
US. National Toxicology Program (NTP) Report on Carcinogens: Not listed

Reproductive toxicity: Not classified
Specific target organ toxicity – single exposure: May cause drowsiness and dizziness
Specific target organ toxicity – repeated exposure: Not available
Aspiration hazard: Not classified
Chronic effects: Prolonged exposure may cause chronic effects

12. ECOLOGICAL INFORMATION (non-mandatory)

Ecotoxicity: Not expected to be harmful to aquatic organisms
Persistence and degradability: Not available
Bioaccumulative potential: Not available
Mobility in soil: Not available
Other adverse effect: Not available

13. DISPOSAL CONSIDERATIONS (non-mandatory)

Disposal instructions: Dispose of contents/container in accordance with local/regional/national/International regulations. If discarded, this product is considered a RCRA ignitable waste, D0001.
Hazardous waste code: D001: Waste Flammable material with a flash point < 140°F
Waste from residues / unused products: Dispose of in accordance with local regulations.
Contaminated packaging: Empty containers should be taken to an approved waste handling site for Recycling or disposal.

14. TRANSPORT INFORMATION (non-mandatory)

DOT
UN number: UN1999
UN proper shipping name: Tars, liquid
Transport hazards classes
Class: Combustible Liquid
Subsidiary risk: -
Labels: 3
Packing group: III
Special precautions for user: If shipped by ground in quantities LESS than 119 gallons (450 L): Not regulated as a hazardous material.
Special provisions: B1, B52, IB3, T4, TP1, TP29
Packaging exceptions: 150
Packaging non bulk: 203
Packaging bulk: 242

IATA
UN number: UN1999
UN proper shipping name: Tars, liquid
Transport hazard classes
Class: 3
Subsidiary risk: -
Packing group: III
Environmental hazards: No
ERG Code: 3L
Special precautions for user: Not available.
Other information
Passenger and cargo aircraft: Allowed with restrictions
Cargo aircraft only: Allowed with restrictions

IMDG
UN number: UN1999
UN proper shipping name: Tars, liquid
Transport hazard classes
Class: 3
Subsidiary risk: -
Packing group: III
Environmental hazards Maring pollutant: No
EmS: F-E, S-E
Special precautions for user: Not available.
Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC Code

15. REGULATORY INFORMATION (non-mandatory)

US federal regulations: This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard 29 CRF 1910.1200. CERCLA/SARA Hazardous Substances – Not applicable.
SARA 304 Emergency release notification: Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance: Not listed.
SARA 311 / 312 Hazardous chemical: Yes
   Classified hazard categories: Flammable (gases, aerosols, liquids, or solids)
                              Skin corrosion or irritation
                              Germ cell mutagenicity
                              Carcinogenicity
                              Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting): Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.
Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130): Not regulated.

US state regulations: WARNING: This product contains a chemical known to the State of California to cause Cancer.

International inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Taiwan</td>
<td>Taiwan Chemical Substance Inventory (TCSI)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).
This information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.