Appendix C: Material Safety Data Sheet for EB5

Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

IDENTITY (As Used on Label and List) Fuel Ethanol E85

U.S. Department of Labor
Occupational Safety and Health Administration
Form Approved
OM&B No. 1218-0072

Note: Blank spaces not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I
Manufacturer's Name: Archer Daniels Midland Company
Address: (Number, Street, City, State, and ZIP Code)
4666 Fairies Parkway
Decatur, Illinois 62526

Emergency Telephone Number: 800/424-9390 or 217/424-5260
Telephone Number for Information: 217/362-3980
Date Prepared: 7/5/95
Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity: Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol (200 proof) CAS 0064-17-5</td>
<td>80%</td>
<td></td>
<td></td>
<td>80%</td>
</tr>
<tr>
<td>Gasoline CAS 008-006-619</td>
<td>20%</td>
<td></td>
<td></td>
<td>20%</td>
</tr>
<tr>
<td>Benzene CAS 0071-43-2*</td>
<td>1ppm</td>
<td>10ppm</td>
<td></td>
<td>&lt;1100ppm</td>
</tr>
</tbody>
</table>

"A chemical known to the State of California to cause cancer"

Section III — Physical/Chemical Characteristics

| Boiling Point: 96°-170°F                                      | Specific Gravity (H2O = 1): 0.76-0.78 |
| Vapor Pressure (mm Hg.): 340-560                             | Melting Point: N/A                     |
| Vapor Density (AIR : 1): 2.0-4.0                              | Evaporation Rate (Butyl Acetate = 1): Not Estimated |
Solubility in Water: 60-70 gm/100ml Appearance and Odor: Clear, colorless volatile liquid with ethereal odor.

Section IV — Fire and Explosion Hazard Data

| Flash Point (Method Used): -20°F to -4°F TCC Flammable Limits: Not Estimated | LEL 1.4 | UEL 19.0 |
| Extinguishing Media: Carbon dioxide dry chemical, water for small fires. Polar solvent foam for large fires. Special Fire Fighting Procedures: Use necessary protective equipment and breathing apparatus as would normally be used when fighting fires where there may be danger of breathing hazardous products of combustion. |
| Unusual Fire and Explosion Hazards: Flammable liquid |

OSHA 174, Sept. 1985

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Section V — Reactivity Data

Stability: Unstable

Conditions to Avoid: None in normal use.

Incompatibility (Materials to Avoid): May react vigorously with oxidizing materials.

Hazardous Decomposition or Byproducts: Combustion may produce CO₂, NOₓ and reactive hydrocarbons.

Hazardous Polymerization: May Occur

Conditions to Avoid: None in normal use.

Section VI — Health Hazard Data

Route(s) of Entry:

<table>
<thead>
<tr>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>(B)</td>
<td>(C)</td>
</tr>
</tbody>
</table>

Health Hazards (Acute and Chronic):

(A) May cause mucous membrane irritation, unconsciousness, coma, respiratory failure and death.
(B) May cause skin irritation as a result of defatting.
(C) Moderately toxic (LD₅₀ 0.5 to 5 G/Kg), gastrointestinal irritation, vomiting, CNX depression, coma.

Carcinogenicity:

<table>
<thead>
<tr>
<th>NTP?</th>
<th>iARC Monographs</th>
<th>OSHA Regulated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Signs and Symptoms of Exposure: May cause dizziness, loss of balance and coordination.

Medical Conditions Generally Aggravated by Exposure: Not determined

Emergency and First Aid Procedures: If swallowed, do not induce vomiting. If inhaled, remove person to fresh air. Give artificial respiration if breathing has stopped. Call a physician. If splashed in eyes or on skin, flush immediately with copious amounts of water.

Section VII — Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Eliminate all sources of ignition. Small spills should be flushed with large quantities of water. Large spills should be collected for waste disposal.

Waste Disposal Method: Do not allow to enter sewers where vapors may be ignited. Incinerate in furnace where permitted under appropriate federal, state & local regulations or dispose of in a site stipulated for hazardous materials.

Precautions to Be Taken in Handling and Storage: Keep away from heat, sparks, and open flames. Keep container closed. Use with adequate ventilation.

Other Precautions: Use explosion proof electrical equipment and non-sparking tools. Ground electrical equipment.

Section VIII — Control Measures

Respiratory Protection (Specify Type): Air supplied mask for high concentrations

Ventilation: Local Exhaust: Preferred Special: None

Mechanical (general): Acceptable Other: None

Protective Gloves: Rubber

Eye Protection: Goggles

Outer Protective Clothing or Equipment: Eye bath and safety shower

Work/Hygienic Practices: N/A