**Harcros Chemicals Inc**

**Kansas City, Kansas**

**MATERIAL SAFETY DATA SHEET**

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>PLOR DRI EP 85</th>
<th>PRODUCT CODE</th>
<th>16663</th>
<th>Date: 7-MAY-2002 08:49:36.56</th>
</tr>
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<tbody>
<tr>
<td>CAS #:</td>
<td>009105339</td>
<td>MSDS No.</td>
<td>001926</td>
<td>Revision No./Date: 03-97/0425</td>
</tr>
<tr>
<td>FORMULA:</td>
<td>Si O2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM. FAMILY:</td>
<td>inorganic mixtures</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEMICAL NAME AND SYNONYMS:</td>
<td>Diatomaceous Earth, Calcined; Floor Dry, Celatom; Floor Dri EP 85;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUPPLIERS NAME:</td>
<td>Harcros Chemicals Inc.</td>
<td>5200 Speaker Road</td>
<td>Kansas City</td>
<td>KS 66106-1095</td>
</tr>
<tr>
<td>SUPPLIERS PHONE NUMBER:</td>
<td>913-321-3131</td>
<td>TRANSPORTATION EMERGENCY PHONE NUMBER:</td>
<td>1-800-424-9300</td>
<td></td>
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</tbody>
</table>

**S.A.R.A. INFORMATION**

HAZARDS: Chronic

PHYSICAL DATA: Mixture Sclid

### SECTION I - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>MAX W/W</th>
<th>SARA APPLIES</th>
<th>TWA/TLV (ppm)</th>
<th>CONTAMINANT LEVELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CEIL (ppm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SKIN AGENT</td>
</tr>
</tbody>
</table>

The ingredient below is listed as a Carcinogen by IARC

Calcined Diatomaceous Earth 100.0 Y N N As Silica (Crystalline) Respirable Dust

(CAS # 91053-39-3)

The ingredient below is listed as a Carcinogen by IARC NTP ACGIH

Crystalline Silica 1.0 Y N N As Silica (Crystallinite) Respirable Dust

(CAS # 14464-46-1)

The ingredient below is listed as a Carcinogen by IARC NTP ACGIH

Crystalline Silica 1.0 Y N N As Silica (Quartz) Respirable Dust

(CAS # 14888-60-7)

Continued On Page 2
SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE

EYES
Eye contact with product may cause mechanical irritation

SKIN
No hazard expected by this route in normal use.

INHALATION
Inhalation may cause coughing, sneezing, mild irritation
Prolonged or repeated overexposure by inhalation may cause lung damage, damage to respiratory system

INGESTION
No hazard expected by this route in normal use.

TARGET ORGANS
OVEREXPOSURE MAY CAUSE DAMAGE TO,

lungs

FIRST AID
FIRST AID EYES
Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.

FIRST AID SKIN
Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

FIRST AID INHALATION
Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.

FIRST AID INGESTION
If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent breathing of vomit into lungs. Call a physician immediately.

OTHER INFORMATION

ROUTES OF ENTRY
inhalation

OVEREXPOSURE MAY AGGRAVATE DISORDERS OF THE respiratory system lungs

CARCINOGEN STATUS
This product contains ingredients which are listed as carcinogens. See Section I Hazardous Ingredients.

EXTRA INFORMATION
This product contains crystalline silica (CS), which is considered a hazard by inhalation. IARC has classified CS as a carcinogen. CS is also a known cause of silicosis, a noncancerous lung

Continued On Page 3
PRODUCT NAME: FLOR DRI EP 85
PRODUCT CODE: 11663

SECTION II HEALTH HAZARDS

(Continued)

disease.

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT
- EYES: safety glasses
- SKIN: clean protective clothing

PROTECTIVE EQUIPMENT INHALATION

If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED:

Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. Local mechanical ventilation may be required.

ADDITIONAL PROTECTIVE MEASURES

Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): > OR = N/A
Flammable Limits (% Volume in Air): UPPER: N/D  LOWER: N/D

EXTINGUISHING MEDIA

media appropriate for surrounding fire

FIRE FIGHTING PROCEDURES

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS

none currently known

SECTION V PHYSICAL DATA

Boiling Point: N/D
Freezing Point: N/D

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<table>
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</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT CODE</td>
<td>11663</td>
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<tr>
<td>50# BAG</td>
<td></td>
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<tr>
<td>Date:</td>
<td>7-MAY-2002  08:49:37.57</td>
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</table>

### SECTION V PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Specific Gravity (H2O=1):</td>
<td>2.3000</td>
</tr>
<tr>
<td>Vapor Pressure [MM HG.]:</td>
<td>N/D</td>
</tr>
<tr>
<td>Vapor Density (AIR=1):</td>
<td>N/D</td>
</tr>
<tr>
<td>Evaporation Rate (NA =1):</td>
<td>N/D</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>&lt;2%</td>
</tr>
<tr>
<td>Percent Volatile by Volume:</td>
<td>N/D</td>
</tr>
<tr>
<td>pH: aqueous approx.</td>
<td>7.000</td>
</tr>
<tr>
<td>Appearance:</td>
<td>SOLID - POWDER, CRYSTAL, FLAKE, GRANULE, TABLET, PRILL, BRICUETTE, ETC.</td>
</tr>
<tr>
<td>Odor:</td>
<td>NIL</td>
</tr>
</tbody>
</table>

(continued)

### SECTION VI REACTIVITY DATA

| Stability                                      | Stable     |
|                                               |            |
| Hazardous Polymerization                      | Will not occur |

### SECTION VII SPILL AND LEAK PROCEDURES

**Steps to be Taken if Material is Released or Spilled:**

In Case Of Spills: Contain and dispose of in accordance with Federal, State and local regulations.

**Disposal Method:**

Solids must be disposed of in a permitted waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted hazardous waste management facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

### SECTION VIII

| Proper Shipping Name:                         | UNCLASSIFIED |
|                                               |              |
| Label Requirements:                           | NONE         |
| Reportable Quantity:                          | None         |

### SECTION IX ADDITIONAL INFORMATION

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Harcros Chemicals Inc
Kansas City, Kansas

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PRODUCT CODE: 11663

SECTION IX ADDITIONAL INFORMATION

LABEL SIGNAL WORD CAUTION PRECAUTIONS

Wea protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe dust. Do Not get in eyes. Avoid prolonged or repeated contact with skin. Do not swallow.

HANDLING
For industrial use only. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE
Keep container closed when not in use. Keep out of reach of children.

NAME: GENE TURNER

< = LESS THAN N/A = NOT APPLICABLE
N/D = NOT DETERMINED
N/E = NOT ESTABLISHED

DATE ISSUE: 940713
DATE REVISED: 970425
UNK = UNKNOWN

The information provided in this Material Safety data sheet has been obtained from sources believed to be reliable. Harcros Chemicals Inc provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use.

Harcros Chemicals Inc knows of no medical condition, other than those noted on this material safety data sheet, which are generally recognized as being aggravated by exposure to this product.