FORM R
TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center P.O. Box 3348 Melfort, VA 2216-3348 ATTN: TOXIC CHEMICAL RELEASE INVENTORY

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 19

SECTION 2. TRADE SECRET INFORMATION

Are you claiming the toxic chemical identified on page 2 trade secret?  
☐ Yes (Answer question 2.2; Attach substantiation forms)  
☐ No (Do not answer 2.2; go to Section 3)

2.2 Is this copy  
☐ Sanitized  
☐ Unsanitized

(Assert only If "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:  
Signature:  
Date signed:

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number

4.1 Facility or Establishment Name

Facility or Establishment Name or Mailing Address (if different from street address)

Street

City/County/State/Zip Code

Mailing Address

City/County/State/Zip Code

4.2 This report contains Information for:  
☐ A Federal facility  
☐ Part of a facility  
☐ An entire facility

4.3 Technical Contact Name

Telephone Number (Include area code)

4.4 Public Contact Name

Telephone Number (Include area code)

4.5 SIC Code(s) (4 digits)  
a.  
b.  
c.  
d.  
e.  
f.

4.6 Latitude

Degrees Minutes Seconds

Longitude

Degrees Minutes Seconds

4.7 Dun & Bradstreet Number(s) (9 digits)

☐ EPA Identification Number(s) (RCRA I.D. No.) (12 characters)

Facility NPDES Permit Number(s) (9 characters)

☐ Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)

4.8  

4.9  

4.10  

4.6

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company  
☐ NA

5.2 Parent Company's Dun & Bradstreet Number  
☐ NA  
(9 digits)
EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

SECTION 1. TOXIC CHEMICAL IDENTITY
(Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (IMPORTANT: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic name must be structurally descriptive.)

SECTION 2. MIXTURE COMPONENT IDENTITY
(Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY (Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
   a. [ ] Produce
   b. [ ] Import
   If produce or import:
   c. [ ] For on-site use/processing
   d. [ ] For sale/distribution
   e. [ ] As a byproduct
   f. [ ] As an impurity

3.2 Process the toxic chemical:
   a. [ ] As a reactant
   b. [ ] As a formulation component
   c. [ ] As an article component
   d. [ ] Repackaging

3.3 Otherwise use the toxic chemical:
   a. [ ] As a chemical processing aid
   b. [ ] As a manufacturing aid
   c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR
4.1 [ ] (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

A. Total Release (pounds/year) (enter range from instructions or estimate)
B. Basis of estimate (enter code)
C. % From Stormwater

5.1 Fugitive or non-point air emissions NA [ ]
5.2 Stack or point air emissions NA [ ]
5.3 Discharges to receiving streams or water bodies (enter one name per box)
   Stream or Water Body Name

5.3.1
5.3.2
5.3.3
5.4.1 Underground Injection on-site to Class I Wells NA [ ]
5.4.2 Underground Injection on-site to Class II-V Wells NA [ ]

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Section 5.3 page this is, here [ ] (example: 1,2,3, etc.).

EPA Form 9350-1 (Rev. 04/97) - Previous editions are obsolete.
Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.
### SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

<table>
<thead>
<tr>
<th>NA</th>
<th>A. Total Release (pounds/year) (enter range code from instructions or estimate)</th>
<th>B. Basis of Estimate (enter code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5</td>
<td>Disposal to land on-site</td>
<td></td>
</tr>
<tr>
<td>5.5.1A</td>
<td>RCRA Subtitle C landfills</td>
<td></td>
</tr>
<tr>
<td>5.5.1B</td>
<td>Other landfills</td>
<td></td>
</tr>
<tr>
<td>5.5.2</td>
<td>Land treatment/application farming</td>
<td></td>
</tr>
<tr>
<td>5.5.3</td>
<td>Surface impoundment</td>
<td></td>
</tr>
<tr>
<td>5.5.4</td>
<td>Other disposal</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

#### 6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A. Total Quantity Transferred to POTWs and Basis of Estimate

<table>
<thead>
<tr>
<th>POTW Name</th>
<th>POTW Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>State</td>
</tr>
<tr>
<td>County</td>
<td>Zip</td>
</tr>
</tbody>
</table>

6.1.B. POTW Name

<table>
<thead>
<tr>
<th>POTW Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
</tr>
<tr>
<td>State</td>
</tr>
<tr>
<td>County</td>
</tr>
<tr>
<td>Zip</td>
</tr>
</tbody>
</table>

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box ______ and indicate which Part II, Section 6.1 page this is here ______ (example: 1,2,3, etc.)

### SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

<table>
<thead>
<tr>
<th>Off-Site Location Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off-Site Address</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>State</th>
<th>County</th>
<th>Zip</th>
</tr>
</thead>
</table>

Is location under control of reporting facility or parent company?  
[ ] Yes  [ ] No

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Range Codes:  
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C = 500 - 999 pounds.
### EPA FORM R

**PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)**

#### SECTION 6. 2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

<table>
<thead>
<tr>
<th>A. Total Transfers (pounds/year)</th>
<th>B. Basis of Estimate (enter code)</th>
<th>C. Type of Waste Treatment/Disposal/Recycling/Energy Recovery (enter code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1.</td>
<td>1.M</td>
</tr>
<tr>
<td>2.</td>
<td>2.</td>
<td>2.M</td>
</tr>
<tr>
<td>3.</td>
<td>3.</td>
<td>3.M</td>
</tr>
<tr>
<td>4.</td>
<td>4.</td>
<td>4.M</td>
</tr>
</tbody>
</table>

6.2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

- Off-Site Location Name
- Off-Site Address
- City
- State
- County
- Zip
- Is location under control of reporting facility or parent company? [ ] Yes [ ] No

#### SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

- Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

<table>
<thead>
<tr>
<th>a. General Waste Stream (enter code)</th>
<th>b. Waste Treatment Method(s) Sequence (enter 3-character code(s))</th>
<th>c. Range of Influent Concentration</th>
<th>d. Waste Treatment Efficiency Estimate</th>
<th>e. Based on Operating Data?</th>
</tr>
</thead>
<tbody>
<tr>
<td>7A.1a 7A.1b</td>
<td>1</td>
<td>2</td>
<td>7A.1c</td>
<td>7A.1d</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7A.2a 7A.2b</td>
<td>1</td>
<td>2</td>
<td>7A.2c</td>
<td>7A.2d</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>7A.3a 7A.3b</td>
<td>1</td>
<td>2</td>
<td>7A.3c</td>
<td>7A.3d</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>7A.4a 7A.4b</td>
<td>1</td>
<td>2</td>
<td>7A.4c</td>
<td>7A.4d</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>7A.5a 7A.5b</td>
<td>1</td>
<td>2</td>
<td>7A.5c</td>
<td>7A.5d</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

If additional pages of Part II, Sections 6.2/7A are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2/7A page this is, here. [ ] (example: 1.2.3. etc.)

**EPA Form 9350-1 (Rev. 04/97) - Previous editions are obsolete.**

Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.
### SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
</table>

### SECTION 7C. ON-SITE RECYCLING PROCESSES

Not applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
</table>

### SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
<th>Column C</th>
<th>Column D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior Year (pounds/year)</td>
<td>Current Reporting Year (pounds/year)</td>
<td>Following Year (pounds/year)</td>
<td>Second Following Year (pounds/year)</td>
</tr>
</tbody>
</table>

#### 8.1 Quantity released*

#### 8.2 Quantity used for energy recovery on-site

#### 8.3 Quantity used for energy recovery off-site

#### 8.4 Quantity recycled on-site

#### 8.5 Quantity recycled off-site

#### 8.6 Quantity treated on-site

#### 8.7 Quantity treated off-site

#### 8.8 Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)

#### 8.9 Production ratio or activity index

#### 8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

<table>
<thead>
<tr>
<th>Source Reduction Activities [enter code(s)]</th>
<th>Methods to Identify Activity (enter codes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.10.1</td>
<td></td>
</tr>
<tr>
<td>8.10.2</td>
<td></td>
</tr>
<tr>
<td>8.10.3</td>
<td></td>
</tr>
<tr>
<td>8.10.4</td>
<td></td>
</tr>
</tbody>
</table>

#### 8.11 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

**YES**  **NO**

* Report releases pursuant to EPCRA Section 329(8) including “any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment.” Do not include any quantity treated on-site or off-site.