**Benzene,(1,2,2-trifluoroethenyl)- (cas 447-14-3) MSDS**

<table>
<thead>
<tr>
<th>MSDS</th>
<th>Styrene, alpha, beta, beta-trifluoro-</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS</td>
<td>447-14-3</td>
</tr>
<tr>
<td>SYNOMYNS</td>
<td>* Benzene, (trifluoroethenyl)-</td>
</tr>
<tr>
<td></td>
<td>* (Trifluoroethenyl)benzene</td>
</tr>
<tr>
<td></td>
<td>* alpha, beta, beta-Trifluorostyrene</td>
</tr>
</tbody>
</table>

---

**Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers**

[Styrene, alpha, beta, beta-trifluoro- 447-14-3]

*** CHEMICAL IDENTIFICATION ***

<table>
<thead>
<tr>
<th>RTECS NUMBER</th>
<th>WL6478505</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL NAME</td>
<td>Styrene, alpha, beta, beta-trifluoro-</td>
</tr>
<tr>
<td>CAS REGISTRY NUMBER</td>
<td>447-14-3</td>
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<tr>
<td>BEILSTEIN REFERENCE NO.</td>
<td>1908586</td>
</tr>
<tr>
<td>REFERENCE</td>
<td>4-05-00-01344 (Beilstein Handbook Reference)</td>
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<tr>
<td>LAST UPDATED</td>
<td>199701</td>
</tr>
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<td>DATA ITEMS CITED</td>
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</tr>
<tr>
<td>MOLECULAR FORMULA</td>
<td>C₈H₅F₃</td>
</tr>
<tr>
<td>MOLECULAR WEIGHT</td>
<td>158.13</td>
</tr>
</tbody>
</table>

SYNONYMS/TRADE NAMES:

* Benzene, (trifluoroethenyl)-
* (Trifluoroethenyl)benzene
* alpha, beta, beta-Trifluorostyrene

*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

** TYPE OF TEST **: LD₅₀ - Lethal dose, 50 percent kill

** ROUTE OF EXPOSURE **: Oral

** SPECIES OBSERVED **: Rodent - rat

** DOSE/DURATION **: 2500 mg/kg

** TOXIC EFFECTS **:
- Details of toxic effects not reported other than lethal dose value

** REFERENCE **:

** TYPE OF TEST **: LC₅₀ - Lethal concentration, 50 percent kill

** ROUTE OF EXPOSURE **: Inhalation

** SPECIES OBSERVED **: Rodent - rat

** DOSE/DURATION **: 8 gm/m³/4H

** TOXIC EFFECTS **:
- Details of toxic effects not reported other than lethal dose value

** REFERENCE **:

** OTHER MULTIPLE DOSE TOXICITY DATA **

** TYPE OF TEST **: TCLo - Lowest published toxic concentration

** ROUTE OF EXPOSURE **: Inhalation

** SPECIES OBSERVED **: Rodent - rat

** DOSE/DURATION **: 800 mg/m³/4H/4W-I

** TOXIC EFFECTS **:
- Brain and Coverings - recordings from specific areas of CNS
- Kidney, Ureter, Bladder - other changes in urine composition

** REFERENCE **:

** TYPE OF TEST **: TCLo - Lowest published toxic concentration

** ROUTE OF EXPOSURE **: Inhalation

** SPECIES OBSERVED **: Rodent - rat
DOSE/DURATION : 20 mg/m³/4h/17W-I

TOXIC EFFECTS :
   Endocrine - effect on menstrual cycle

REFERENCE :
   TPKVAL Teksikologiya Novykh Promyshlennykh Khimicheskikh Veshchestv.
   Toxicology of New Industrial Chemical Substances. For English translation,
   see TNICS*. (Izdatel'stvo Meditsina, Moscow, USSR) No.1- 1961-
   Volume(issue)/page/year: 15,84,1979

   *** STATUS IN U.S. ***

EPA TSCA Section 8(b) CHEMICAL INVENTORY

   *** END OF RECORD ***