1-fluoro-4-hydroxy-1,4-diazoniabicyclo[2.2.2]octane (cas 162241-33-0) MSDS

MSDS : 1-Fluoro-4-hydroxy-1,4-diazabicyclo[2.2.2]octane
CAS : 162241-33-0
SYNONYMS :

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[ 1-Fluoro-4-hydroxy-1,4-diazabicyclo[2.2.2]octane 162241-33-0 ]

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****
+----------------+--------------------------------------+----------+-----------+
<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>162241-33-0</td>
<td>1-Fluoro-4-hydroxy-1,4-diazabicyclo[2.2.2]octane bis(tetrafluoroborate)</td>
<td>unlisted</td>
<td></td>
</tr>
</tbody>
</table>
+----------------+--------------------------------------+----------+-----------+
Hazard Symbols: XN
Risk Phrases: 22 41 48/22

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW
Harmful if swallowed. Risk of serious damage to eyes. May cause sensitization by skin contact. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Potential Health Effects
Eye:
May cause eye irritation and possible damage.

Skin:
May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion:
Harmful if swallowed.

Inhalation:
May cause respiratory tract irritation.

Chronic:
Not available.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:
Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:
Call a poison control center. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:
Remove from exposure and move to fresh air immediately. Get medical aid.

Notes to Physician:

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media:
Use foam, dry chemical, or carbon dioxide.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage:
Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:
Use adequate ventilation to keep airborne concentrations low.
Exposure Limits
CAS# 162241-33-0:

Personal Protective Equipment
Eyes:
Not available.
Skin:
Wear appropriate protective gloves to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to prevent skin exposure.
Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid
Color: white
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: Not available.
Freezing/Melting Point: Not available.
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water:
Specific Gravity/Density:
Molecular Formula:
Molecular Weight: 321.79

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Not available.
Conditions to Avoid:
Incompatible materials.
Incompatibilities with Other Materials:
Strong oxidizing agents, reducing agents, strong acids, bases.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide, hydrogen fluoride gas.  
Hazardous Polymerization: Has not been reported

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:  
CAS# 162241-33-0 unlisted.  
LD50/LC50:  
Not available.  
Carcinogenicity:  
1-Fluoro-4-hydroxy-1,4-diazabicyclo[2.2.2]octane bis(tetrafluoroborate) -  
Not listed by ACGIH, IARC, or NTP.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Other  
No information available.

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA  
Not regulated as a hazardous material.  
IMO  
Not regulated as a hazardous material.  
RID/AD Not regulated as a hazardous material.

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: XN  
Risk Phrases:  
R 22 Harmful if swallowed.  
R 41 Risk of serious damage to eyes.  
R 43 May cause sensitization by skin contact.  
R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
Safety Phrases:  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
WGK (Water Danger/Protection)  
CAS# 162241-33-0: No information available.  
Canada  
None of the chemicals in this product are listed on the DSL/NDSL list.  
CAS# 162241-33-0 is not listed on Canada's Ingredient Disclosure List.  
US FEDERAL  
TSCA  
CAS# 162241-33-0 is not listed on the TSCA inventory.  
It is for research and development use only.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 5/05/1998 Revision #2 Date: 12/03/2002

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.