Yttrium chloride(YCl3), hexahydrate (8Cl,9Cl) (cas 10025-94-2) MSDS

MSDS : Yttrium(III) chloride hexahydrate
CAS : 10025-94-2
SYNONYMS : Yttrium trichloride hexahydrate.

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[ Yttrium(III) chloride hexahydrate 10025-94-2 ]

**** 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>10025-94-2</td>
<td>Yttrium trichloride, hexahydrate</td>
<td>&gt;99</td>
<td>unlisted</td>
</tr>
</tbody>
</table>

Text for R-phrases: see Section 16

Hazard Symbols: XI
Risk Phrases: 36/37/38

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

EMERGENCY OVERVIEW
Irritating to eyes, respiratory system and skin. Hygroscopic (absorbs moisture from the air).

Potential Health Effects
Eye:
Causes eye irritation.
Skin:
Causes skin irritation.
Ingestion:
Causes gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation:
Causes respiratory tract irritation.
Chronic:
No information found.

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

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion:
Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.
Inhalation:
Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:
Treat symptomatically and supportively.

**** 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. Substance is noncombustible.

Extinguishing Media:
Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**** 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. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation. Do not get water inside containers.

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

Handling:
Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Do not allow contact with water. Wash clothing before reuse. Keep from contact with moist air and steam.

Storage:
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

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

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits
CAS# 10025-94-2:
Belgium - TWA: (listed as yttrium compounds): 1 mg/m3 VLE (as Y)
Malaysia: (listed as yttrium compounds): 1 mg/m3 TWA (as Y)
Netherlands: (listed as yttrium compounds): 1 mg/m3 MAC (as Y)
Spain: (listed as yttrium compounds): 1 mg/m3 VLA-ED (as Y)

CAS# 10361-92-9:
Belgium - TWA: (listed as yttrium compounds): 1 mg/m3 VLE (as Y)
Malaysia: (listed as yttrium compounds): 1 mg/m3 TWA (as Y)
Netherlands: (listed as yttrium compounds): 1 mg/m3 MAC (as Y)
Spain: (listed as yttrium compounds): 1 mg/m3 VLA-ED (as Y)

Personal Protective Equipment

Eyes:
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
A respiratory protection program that meets OSHA’s 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

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

Physical State: Solid
**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Stable at room temperature in closed containers under normal storage and handling conditions. Deliquescent (tending to absorb atmospheric water vapor and become liquid).

Conditions to Avoid:
Dust generation, moisture, excess heat.

Incompatibilities with Other Materials:
No significant incompatibilities identified with common materials and contaminants.

Hazardous Decomposition Products:
No data available.

Hazardous Polymerization: Will not occur.

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

RTECS#:
CAS# 10025-94-2: ZG3160000
CAS# 10361-92-9: ZG3150000
LD50/LC50:
Not available.
Not available.

Carcinogenicity:
Yttrium trichloride, hexahydrate -
Not listed by ACGIH, IARC, or NTP.
Yttrium(III) chloride anhydrous -
Not listed by ACGIH, IARC, or NTP.

Other:
See actual entry in RTECS for complete information.

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

**** 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: XI

Risk Phrases:
R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:
Avoid contact with skin and eyes.

CAS# 10025-94-2: No information available.
CAS# 10361-92-9: No information available.

Canada
CAS# 10361-92-9 is listed on Canada's DSL List.
CAS# 10025-94-2 is not listed on Canada's Ingredient Disclosure List.
CAS# 10361-92-9 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL
TSCA
CAS# 10025-94-2 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the inventory (40CFR720.3(u)(2)).
CAS# 10361-92-9 is listed on the TSCA inventory.

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

Text for R-phrases from Section 2
MSDS Creation Date: 2/11/1999 Revision #3 Date: 4/12/2005

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.