Hexakis(methoxymethyl)melamine (HMMM) (cas 3089-11-0) MSDS

1,3,5-Triazine-2,4,6-triamine, N,N,N',N',N'',N''-hexakis(methoxymethyl)-

**CAS** : 3089-11-0

**SYNONYMS** :
* Hexakis-methoxymethylmelamin
* Hexakis(methoxymethyl)melamine
* Hexakis(methoxymethyl)-s-triazine-2,4,6-triamine
* Hexa(methoxymethyl)melamine
* Hexamethylol-melamin-hexa-methylaether
* Hexamethyl methylolmelamine
* LK 36
* Malamine, hexakis(methoxymethyl)
* TLF-3617

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[1,3,5-Triazine-2,4,6-triamine,N,N,N',N',N'',N''-hexakis(methoxymethyl)- 3089-11-0 ]

*** CHEMICAL IDENTIFICATION ***

**RTECS NUMBER** : X21065000

**CHEMICAL NAME** : 1,3,5-Triazine-2,4,6-triamine, N,N,N',N',N'',N''-hexakis(methoxymethyl)-

**CAS REGISTRY NUMBER** : 3089-11-0

**OTHER CAS REGISTRY NOS.** : 11098-24-1

**BEILSTEIN REFERENCE NO.** : 0356813

**REFERENCE** : 4-26-00-01274 (Beilstein Handbook Reference)

**LAST UPDATED** : 199710

**DATA ITEMS CITED** : 10

**MOLECULAR FORMULA** : C15-H30-N6-O6

**MOLECULAR WEIGHT** : 390.51

**WISWESSER LINE NOTATION** : T6N CN ENJ BN101&101 DN101&101 FN101&101

**COMPOUND DESCRIPTOR** : Drug

Primary Irritant

**SYNONYMS/TRADE NAMES** :
* Hexakis-methoxymethylmelamin
* Hexakis(methoxymethyl)melamine
* Hexakis(methoxymethyl)-s-triazine-2,4,6-triamine
** HEALTH HAZARD DATA **

** SKIN/EYE IRRITATION DATA **

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>Standard Draize test</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUTE OF EXPOSURE</td>
<td>Administration onto the skin</td>
</tr>
<tr>
<td>SPECIES OBSERVED</td>
<td>Rodent - rabbit</td>
</tr>
<tr>
<td>DOSE/DURATION</td>
<td>500 mg/24H</td>
</tr>
<tr>
<td>REACTION SEVERITY</td>
<td>Mild</td>
</tr>
</tbody>
</table>

** ACUTE TOXICITY DATA **

<table>
<thead>
<tr>
<th>TYPE OF TEST</th>
<th>LD - Lethal dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUTE OF EXPOSURE</td>
<td>Oral</td>
</tr>
<tr>
<td>SPECIES OBSERVED</td>
<td>Rodent - rat</td>
</tr>
<tr>
<td>DOSE/DURATION</td>
<td>&gt;17 gm/kg</td>
</tr>
<tr>
<td>TOXIC EFFECTS</td>
<td>Behavioral - somnolence (general depressed activity)</td>
</tr>
</tbody>
</table>

** TYPE OF TEST **

| LD50 - Lethal dose, 50 percent kill |
ROUTE OF EXPOSURE       : Intraperitoneal
SPECIES OBSERVED        : Rodent - rat
DOSE/DURATION           : 550 mg/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

REFERENCE :
ARPMAS Archiv der Pharmazie (Weinheim, Germany) (VCH Pub., Inc., 303 NW 12th Ave., Deerfield Beach, FL 33441) V.51-261, 1835-1923; V.305- 1972-
Volume(issue)/page/year: 306,274,1973

TYPE OF TEST            : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE       : Intraperitoneal
SPECIES OBSERVED        : Rodent - mouse
DOSE/DURATION           : 1050 mg/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

REFERENCE :
Volume(issue)/page/year: 6,119,1956

*** NIOSH STANDARDS DEVELOPMENT AND SURVEILLANCE DATA ***

NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA :
NOHS Hazard Code - M0774
No. of Facilities: 376 (estimated)
No. of Industries: 9
No. of Occupations: 20
No. of Employees: 5220 (estimated)

NOES Hazard Code - M0774
No. of Facilities: 971 (estimated)
No. of Industries: 27
No. of Occupations: 34
No. of Employees: 40112 (estimated)
No. of Female Employees: 7040 (estimated)

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

EPA TSCA Section 8(b) CHEMICAL INVENTORY
EPA TSCA Section 8(d) unpublished health/safety studies
*** END OF RECORD ***