### Trade name

**DIACETONE ACRYLAMIDE (DAAM)**

### Chemical Name

N-(1,1-DIMETHYL-3-OXOBUTYL)-ACRYLAMIDE

### Chemical Structure

![Chemical Structure Diagram]

### Molecular Formula

C₉H₁₅NO₂

### Molecular Weight

169.2

### CAS No.

2873-97-4

### EINECS No.

220-713-2

### TSCA

On Inventory

### Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Specification</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td>Light Yellow, flaky crystal</td>
<td></td>
</tr>
<tr>
<td>Purity</td>
<td>Wt %</td>
<td>98.0 min.</td>
<td>JIS K 0114</td>
</tr>
<tr>
<td>Acrylamide</td>
<td>Wt %</td>
<td>less than 0.1</td>
<td>JIS K 0114</td>
</tr>
<tr>
<td>Water Content</td>
<td>Wt %</td>
<td>0.5 max.</td>
<td>JIS K 0068</td>
</tr>
<tr>
<td>Remarks Total Inhibitor</td>
<td>ppm</td>
<td>100 max.</td>
<td>JIS K 0124</td>
</tr>
</tbody>
</table>

### Physical Property

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (1.1kPa)</td>
<td>°C</td>
<td>120</td>
</tr>
<tr>
<td>Specific Gravity (60°C)</td>
<td></td>
<td>0.998</td>
</tr>
<tr>
<td>Melting Point</td>
<td>°C</td>
<td>54.0</td>
</tr>
<tr>
<td>Viscosity (60°C)</td>
<td>mPa·s</td>
<td>17.9</td>
</tr>
<tr>
<td>Flash Point(open cup)</td>
<td>°C</td>
<td>126</td>
</tr>
<tr>
<td>Solubility (in Water 25°C)</td>
<td>g/100g</td>
<td>100&lt;</td>
</tr>
</tbody>
</table>

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Health Hazards

Acute toxicity data on DIACETONE ACRYLAMIDE

Acute Toxicity

LD50 (oral) rat 1.61g/Kg
LD50 (oral) mouse 1.3g/Kg

Emergency and First Aid Procedure

1) Skin Contact
   Remove contaminated clothing. Wash the affected area with plenty of clean water and soap. If irritation develops, see a physician.

2) Eye Contact
   Flash eyes with plenty of clean water for at least 15 minutes while holding eyelids open. If irritation develops, see a physician.

3) Inhalation
   If a large amount is inhaled, remove individual(s) to fresh air.

Storage

Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet.

Extinguishing Media

Water spray, Dry chemicals, Protein type air foams or carbon dioxide.

Packing

20Kg Carton Box

KH Neochem Co., Ltd.
3-2-15 Nihonbashi-Muromachi, Chuo-ku, Tokyo, 103-0022, Japan
Tel: +81-3-3510-3561
Fax: +81-3-3510-3571

KH Neochem Americas, Inc.
1515 East Woodfield Road, Suite 710, Schaumburg, IL 60173, USA
Tel: +1-847-517-8800
Fax: +1-847-517-8830

KH Neochem Singapore Pte Ltd.
260 Orchard Road #12-04, The Heeren, Singapore 238855
Tel: +65-6733-4948
Fax: +65-6733-0819

Shanghai Seika Trading Co., Ltd.
8 Xingyi Road MaxDo Bldg., Room 907, Changning District, Shanghai 200336, China
Tel: +86-21-5208-0009
Fax: +86-21-5208-0130

Home page http://www.khneochem.co.jp/

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