1- Product and company identification
Trade name: KTA 7227
Curing agent for epoxy resin

Manufacturer / Supplier:
SICOMIN Composites
RN 568 Quartier la Moutte BP 23
13 161 Châteauneuf-les-Martigues Cédex -France-
Phone: 33.04.42.42.30.20 Fax: 33.04.42.81.29.29 composites@sicomin.com

2- Composition / Information on ingredients
Chemical characterization: Curing agent

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>%</th>
<th>Symbol</th>
<th>Risk Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>330-54-1</td>
<td>Diuron</td>
<td>20-50</td>
<td>Xn, N</td>
<td>22 40 48/22 50/53</td>
</tr>
<tr>
<td>N° EINECS:</td>
<td>N° CEE:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>206-354-4</td>
<td>006-015-00-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3- Hazards Identification

- Xn: Harmful
- N: Environmentally hazardous substance

- R 22: Harmful if swallowed
- R 40: Possible risks of irreversible effects
- R 48/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation
- R 50/53: Very toxic to aquatic organism, may cause long term adverse effects in the aquatic environment

4- First aid measures
Signs and symptoms of exposure (acute effects)

Eye contact:
Rinse immediately with plenty of water for at least 15'. Get medical attention.

Skin contact:
Immediately remove contaminated clothing. Remove the excess and wash with water and soap.

Ingestion:
Do not induce vomiting. Consult immediately a physician

Inhalation:
Remove from the contaminated area and keep warm and at rest. Get medical attention.

5- Fire fighting measures
Suitable extinguishing agents:
Powder CO₂ foam. Cool the containers with water spray. Polluted water doesn't empty into drains

Products to avoid:
ND

Products of combustion will include:
Poison gas as nitrogen gas (NOₓ), carbon monoxide (CO), Cyanhydric acid (HCN), Hydrogen chloride (HCl)

Protective equipment:
Use breathing apparatus.
6- Accidental release measures
Individual precautions:
- Use gloves, goggles, masks and protective clothing
- Use breathing equipment if the area is narrow, keep fire sources away
Environmental precautions:
- Keep the product away from superficial and underground water. In the event of product entering waters or drainage system or pollution soil or plants, informing fire service or police.
Cleaning procedures:
- Soak up inert material in accordance with law regulations. Wash with water & detergents.

7- Handling and storing
Handling:
- Use personal protection (see point 8). Provide adequate ventilation. Avoid inhalation vapours.
  The mix dust / air may can formed explosive conditions
Storing:
- Store in well ventilated area, in close containers.
  The product is sensitive to CO₂ and humidity.

8- Exposure controls / personal protection
Precautionary measures:
- Provide adequate and very effective ventilation
Respiratory protection:
- Mask with adequate filters and breathing equipment
  Avoid volatile powder formation
  VME (cas 330-54-1): 10 mg/m³
Hand protection:
- Use appropriate gloves
Eyes protection:
- Wear goggles or a face visor
Skin protection:
- Use protective clothing, exercising reasonable personal cleanliness

9- Chemical / Physical properties
Appearance: Powder
Colour: White
Odour: Weak, characteristic
Ph: Alcaline
Melting point: 154-159 °C
Decomposition temperature: > 200 °C
Flash point: non applicable
Solubility in water: Partially soluble (20-30) g/l
Solubility in organic solvents: Alcohols
Specific gravity (Kg / l 20°C): 0.25 to 0.5
Viscosity (mPa.s 25°C): non applicable
Pression de vapeur (mm Hg à 25°C): ND

10- Stability and reactivity data
Precautions: ND
Materials to avoid:
- Acids, strong oxidizers
Hazardous decomposition products:
- In case of fire, the product may develop toxic gas as nitrous gas, carbon monoxide, etc..
11- Toxicological information
Consider the concentration of each substance to evaluate toxicological effects caused by exposure

<table>
<thead>
<tr>
<th>Cas number</th>
<th>Inhalation</th>
<th>Skin contact</th>
<th>Long term effect</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LD 50 (oral, rat)</td>
<td>LD 50 (rabbit)</td>
<td>Skin cobaye</td>
</tr>
<tr>
<td></td>
<td>mg/kg</td>
<td>mg/kg</td>
<td></td>
</tr>
<tr>
<td>330-54-1</td>
<td>4150</td>
<td>&gt; 5000</td>
<td>no irritant</td>
</tr>
</tbody>
</table>

12- Ecological Information

General notes:
Do not empty into drains

Fish toxicity:  LC 50 (96 h)= 7700 mg / l  Ochorhyncus mykiss
Daphnia:  EC 50 (48h) = 3177 mg / l
Bacteria:  EC 10 = 131 mg / l  Pseudomonas putida (inhibition of cell proliferation)

13- Disposal considerations
Dispose of in accordance with local and national regulations

14- Transport Information

Correct technical name: Environmentally hazardous substance
Content: Diuron
ONU N°: 3077

Air transport - OACI / IATA
Class 9  Group:  III

Sea transport - IMDG
Class 9  Group:  III  IMDG page: 9029
N° EMS: none  MFAG: none  Marine pollutant: yes

Road transport - ADR / RID
Class 9, 12c)  HI/Kemler n°: 90  Label: 9

15- Regulatory information

Label EEC:
Regulation 88 / 379

Hazard symbol:
Xn: Harmful  N: Environmentally hazardous substance

Risk Phrases:
- R 22: Harmful if swallowed
- R 40: Possible risks of irreversible effects
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Safe Phrases:
- S 22: Do not breathe dust
- S 36 / 37: Wear suitable protective clothing and gloves
- S 61: Avoid release to the environment
16-Other information

Note:
The information herein is given in good faith and to the best of our knowledge but no warranty, express or implied, is made. Since the use of this information and the conditions of use of the product are not within our control, it is the user's obligation to determine the condition of safe use of the products.

NA: Not applicable ND: Not determined

Department issuing data specification sheet / Contact:
Mr Jean-Pierre GROS (R&D) Phone: 33.04.42.42.30.20 Fax: 33.04.42.81.29.29