

Material Safety Data Sheet 91 / 155 / CEE

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-
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2- Composition / Information on ingredients

Chemical characterization: Curing agent

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

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 chlorhyde (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 form 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	: Alkaline
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

Cas number	Inhalation LD 50 (oral, rat) mg/kg	Skin contact LD 50 (rabbit) mg/kg	Long term effect Skin cobaye	Eyes cobaye
330-54-1	4150	> 5000	no irritant	no irritant

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 :

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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:

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