

**Material Safety Data Sheet 91 / 155 / CEE**

**1- Product and company identification**

Trade name: **SD 5202**  
**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:** Polyamines and base Mannich

<b>CAS Number</b>	<b>Chemical Name</b>	<b>%</b>	<b>Symbol</b>	<b>Risk Classification</b>
1477-55-0	m-Xylène diamine	> 15	C	20/22 35
108-95-2	Phenol	< 20	T	24/25 34
39423-51-3	Alkylether polyamin	< 30	C	21/22 34

**3- Hazards Identification**



T: Toxic

- R 24/25: Toxic in contact with skin and if swallowed  
R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed  
R 35: Causes severe burns

**Signs and symptoms of exposure (Possible longer term effects):**

Repeated and/or prolonged exposures may result in : adverse respiratory effects (such as cough, tightness of chest or shortness of breath); adverse skin effects (such as defatting, rash, irritation or corrosion); adverse eye effects (such as conjunctivitis or corneal damage).

**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.  
Get medical attention.

**Ingestion:**

Do not induce vomiting. Consult immediately a physician

**Inhalation:**

Remove from the contaminated area and keep warm and at rest.

**5- Fire fighting measures**

**Suitable extinguishing agents:**

Powder CO<sub>2</sub>, foam. Cool the containers with water spray

**Products to avoid:**

ND

**Products of combustion will include:**

Poison gas as nitrogen gas (NOx), carbon monoxide (CO)

**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.

### Storing:

- Store in well ventilated area, in close containers.
- The product is sensitive to CO<sub>2</sub> and humidity.

## 8- Exposure controls / personal protection

### Precautionary measures:

- Provide adequate ventilation

### Respiratory protection:

- Necessary in case the area is not well ventilated: mask with adequate filters

### 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	: Liquid
Colour	: Yellow
Odour	: Amoniacal
Ph	: Alcaline
Boiling point	: > 200 °C
Flash point	: > 110°C
Solubility in water	: < 1 %
Solubility in organic solvents	: Alcohols and aromatic hydrocarbons
Specific gravity (Kg / l 20°C)	: 1.09 ± 0.02
Viscosity (mPa.s 25°C)	: 1600 ± 200
Vapor pressure (mm Hg à 21°C)	: < 20

## 10- Stability and reactivity data

Precautions: ND

### Materials to avoid:

- Acids, strong oxidizers, epoxidies, ketones

### 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

Standard	TWA		STEL		Ceiling		
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
DK-TLV	/	/	/	/	0.02	0.1	Skin
ACGIH	5.0	19.0	/	/	/	/	Skin
F-HTP	5.0	20.0	10.0	39.0	/	/	Skin
SW-LLV	1.0	4.0	2.0	8.0	/	/	Skin
UK-OES	5.0	20.0	10.0	39.0	/	/	Skin

/: no datas

DL 50, oral, rat: 2200 mg/kg estimated  
DL50, skin, rabbit: 1000 mg/kg estimated  
CL50, inhalation, rat: 10 mg/ liter / 1 hr estimated

#### Ingestion:

Corrosive. May cause burns of mouth and severe gastrointestinal trouble

#### Skin absorption:

Prolonged or widespread exposure may result in the absorption of potentially harmful amounts of material.

May cause chemical burns and develop skin allergy

#### Inhalation:

Vapours are irritating and may develop skin allergy

#### Eye contact:

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness.

### 12- Ecological Information

#### General notes:

Do not empty into drains

### 13- Disposal considerations

Dispose of in accordance with local and national regulations

### 14- Transport Information

**Correct technical name:** Liquid polyamines, corrosives, nos  
**Content:** Polyalkylamines, m-Xylène diamine (mXDA)  
**ONU N°:** 2735

**Air transport - OACI / IATA** Class 8 Group: II FP : 100°C  
49 CFR 171.11 NAERG guide: n°153

**Sea transport - IMDG** Class 8 Group: II STCC: 4935601  
N° EMS: F-A,S-B NAERG guide: n°153

**Road transport - ADR / RID** Class 8, (II)

### 15- Regulatory information

**Label EEC:** T (Toxic)

#### Risk Phrases :

R 24/25: Toxic in contact with skin and if swallowed  
R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed  
R 35: Causes severe burns

**Safety Phrases:**

- S 26: In case of contact with eye, rinse immediatly with plenty of water and seek medical advice
- S 36/37/39: Wear suitable protective clothing, gloves, and eye face protection
- S 38: In case the area is not well ventilated: mask with adequate filters
- S 46: In case of accident or if you feel unwell, seek medical advice
- S 61: Avoid release to the environment. Refer to special instructions / safety data sheets

**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.

**Department issuing data specification sheet / Contact:**

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