



## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier:**
**Product Name(s):** Technicure™PDU-250M

**Description:** Epoxy Curing Agent

**SYNONYMS:** 1,1-DIMETHYL-3-PHENYLUREA; 1-Phenyl-3,3-dimethylurea; 3-Phenyl-1,1-dimethylurea

**CHEMICAL FORMULA:** C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O

**Manufacturer/Supplier:** ACCI Specialty Materials

**Relevant identified uses of the preparation and uses identified against use:**

Epoxy curing agent  
For professional/industrial use only.

**Details of the supplier of the safety data sheet**

**ACCI Specialty Materials**  
1600 W. Blancke Street  
Linden, NJ 07036 USA

**Telephone:** (908) 474-9393 **Fax:** (908) 474-9388  
**Web:** [www.accatalysts.com](http://www.accatalysts.com)  
**Contact:** [info@ac-catalysts.com](mailto:info@ac-catalysts.com)

**Emergency telephone number**

CHEMTREC (24 hours): 1-800-424-9300

International: +001-703-527-3887

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**
**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

 Eye irritation (Category 2A), **H319**

 Specific target organ toxicity - single exposure (Category 3), Respiratory system, **H335**
**GHS Label elements, including precautionary statements**
**Pictogram**

**Signal word**
**Warning**
**Hazard statement(s)**

**H319** Causes serious eye irritation.  
**H335** May cause respiratory irritation.

**Precautionary statement(s)**

**Prevention P261** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
**P264** Wash skin thoroughly after handling.  
**P271** Use only outdoors or in a well-ventilated area.  
**P280** Wear eye protection/ face protection.

**Response P304+340+312** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
**P305+351+338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P337 + P313** If eye irritation persists: Get medical advice/ attention.

<b>Storage</b>	<b>P403 + P233</b>	Store in a well-ventilated place. Keep container tightly closed.
	<b>P405</b>	Store locked up.
<b>Disposal</b>	<b>P501</b>	Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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#### Substances

Formula	:	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O
Molecular weight	:	164.21 g/mol
CAS-No.	:	101-42-8
EC-No.	:	202-941-4

Component	Classification	Concentration
1,1-Dimethyl-3-phenylurea	Eye Irritant, 2A, STOT SE 3 H319, H335	≤ 100%

For the full text of the H-Statements mentioned in this Section, see Section 16.

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### 4. FIRST AID MEASURES

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#### Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### Indication of any immediate medical attention and special treatment needed

No data available

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### 5. FIREFIGHTING MEASURES

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#### Extinguishing media

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** Carbon oxides, Nitrogen oxides (NO<sub>x</sub>)

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** No data available

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### 6. ACCIDENTAL RELEASE MEASURES

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#### Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

**Environmental precautions:** Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:** For disposal see section 13.

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## 7. HANDLING AND STORAGE

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**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a dry and well-ventilated place.  
Storage class (TRGS 510): Non Combustible Solids

**Specific end use(s):** Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment****Eye/face protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

## Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

## Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail [sales@kcl.de](mailto:sales@kcl.de),  
test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection**

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

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|---|--|
| a ) Appearance Form:                        | solid  |
| b ) Odour                                   | No data available                              |
| c ) Odour Threshold                         | No data available                              |
| d ) pH                                      | No data available                              |
| e ) Melting point/freezing point            | Melting point/range: 128 - 132°C (262 - 270°F) |
| f ) Initial boiling point and boiling range | No data available                              |

**Other safety information**

No data available

## 10. STABILITY AND REACTIVITY

- |   |  |
|---|--|
| <b>Reactivity</b>                         | No data available                            |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions. |
| <b>Possibility of hazardous reactions</b> | No data available                            |
| <b>Conditions to avoid</b>                | No data available                            |
| <b>Incompatible materials</b>             | Strong oxidizing agents                      |

**Hazardous decomposition products**

Other decomposition products - No data available  
In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects****Acute toxicity**

LD50 Oral - Rat - 6,400 mg/kg

Inhalation: No data available

Dermal: No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

No data available

No data available

**Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

RTECS: YT1450000

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**12. ECOLOGICAL INFORMATION****Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 204 mg/l - 96 h

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**  
 Dispose of as unused product.

**14. TRANSPORT INFORMATION**

**DOT (US)**  
 Not dangerous goods

**IMDG**  
 Not dangerous goods

**IATA**  
 Not dangerous goods

**15. REGULATORY INFORMATION**

**SARA 302 Components**  
 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**  
 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**  
 Acute Health Hazard

**Massachusetts Right To Know Components**  
 No components are subject to the Massachusetts Right to Know Act.

<b>Pennsylvania Right To Know Components</b>	CAS-No.	Revision Date
1,1-Dimethyl-3-phenylurea	101-42-8	

<b>New Jersey Right To Know Components</b>	CAS-No.	Revision Date
1,1-Dimethyl-3-phenylurea	101-42-8	

**California Prop. 65 Components**  
 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
STOT SE	Specific target organ toxicity - single exposure

**Disclaimer**

ACCI Specialty Materials provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. A properly trained person using this product intends this document only as a guide to the appropriate precautionary handling of the material. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose, ACCI Specialty Materials makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, ACCI Specialty Materials will not be responsible for damages resulting from use of or reliance upon this information.

Recommended Uses and Restrictions: None  
 Prepared by: Martin Czebotar, Director, Environmental Health and Safety Department      **Revision Date:** 4/22/15