



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE

**Product identifiers:**
**Product name:** Technicure™ ADH; Technicure™ ADH-J,

**Chemical name:** Adipic acid dihydrazide

**Synonym:** Adipohydrazide

CAS-No.: 1071-93-8

**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**

Not a dangerous substance according to GHS.

**Other hazards** - none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substances**

 Formula : C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>  
 Molecular Weight : 174.2 g/mol

Component	Concentration
<b>Adipohydrazide</b>	
CAS-No. 1071-93-8	100%
EC-No. 213-999-5	

### 4. FIRST AID MEASURES

**Description of first aid measures**
**If inhaled**

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

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

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

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Indication of immediate medical attention and special treatment needed** no data available

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**5. FIRE-FIGHTING 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 (NOx)

**Precautions for fire-fighters:** Wear self contained breathing apparatus for fire fighting, 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**

Avoid dust formation. Avoid breathing vapors, mist or gas.

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

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

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**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C

**Specific end uses** no data available

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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** General industrial hygiene practice.

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

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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Information on basic physical and chemical properties

a) Appearance	Form: powder Colour: white
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting/freezing point	Melting point/range: 180 - 182 °C - lit.
f) Initial boiling point and boiling range	no data available
g) Flash point	150 °C - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Autoignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

**Other safety information:** no data available

**10. STABILITY AND REACTIVITY**

**Reactivity:** no data available  
**Chemical stability:** no data available  
**Possibility of hazardous reactions:** no data available  
**Conditions to avoid:** no data available  
**Incompatible materials:** Strong oxidizing agents, Strong bases  
**Hazardous decomposition products:** Other decomposition products - no data available

**11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity:** no data available  
**Skin corrosion/irritation:** no data available  
**Serious eye damage/eye irritation:** no data available  
**Respiratory or skin sensitization:** 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.

**Reproductive toxicity** no data available

**Specific target organ toxicity - single exposure:** no data available  
**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Ingestion** May be harmful if swallowed.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Additional Information:** RTECS: Not available

**12. ECOLOGICAL INFORMATION**

**Toxicity:** no data available  
**Persistence and degradability:** no data available  
**Bioaccumulative potential:** no data available  
**Mobility in soil:** no data available  
**Results of PBT and vPvB assessment:** no data available  
**Other adverse effects:** no data available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

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**UN-Number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods  
 IMDG: Not dangerous goods  
 IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for users** no data available

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**15. REGULATORY INFORMATION**

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**Safety, health and environmental regulations/legislation specific for the substance or mixture** no data available

**Chemical Safety Assessment**

**Australia (NICNAS)** – not listed

**Canada** – DSL listed

**China (CCISS)** – Yes

**EU** – 213-999-5

**Japan** – no data

**Korea** – KE-18695

**New Zealand (NZIOC)** – Yes

**Philippines (EMB)** – Yes

**Tawan (CSNN)** - Yes

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**16. OTHER INFORMATION**

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**History**

Revision date: May 5, 2015

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SDS prepared by: Martin Czebotar

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. ACCI Specialty Materials shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.