



30-11-2020 / REVISION 06

# **HUMIDUR.**

**Safety Data Sheet**

**Humidur® TC**

**Component A**

**ACOTEC N.V.**

Industrielaan 8 Zuid III

9320 Aalst, Belgium

[WWW.HUMIDUR.BE](http://WWW.HUMIDUR.BE)  
[INFO@ACOTEC.BE](mailto:INFO@ACOTEC.BE)

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Hazardous according to criteria of Australian WHS Regulations.

### 1.1. Product identifier

*Trade name:* Humidur® TC Component A

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

*Product use:* industrial

### 1.3. Details of the supplier of the safety data sheet :

*Importer:* Matrix Composites & Engineering  
150 Quill Way  
Henderson WA 6166  
Australia  
Telephone: +61 8 9412 1200  
E-mail address : [matrix@matrixengineered.com](mailto:matrix@matrixengineered.com)

*Information provided by:*

Acotec NV  
Industrielaan 8 Zuid III  
9320 Aalst (Erembodegem) – Belgium  
Telephone : +32 53 83 86 60  
E-mail address : [info@acotec.be](mailto:info@acotec.be)

### 1.4. Emergency telephone number

*Emergency information :*

- Matrix Composites & Engineering  
During business hours: +61 8 9412 1200  
After business hours (national call): 1300 729 130
- For Poison Advice in Australia: 131 126  
To provide telephone consultation to medical professionals and the general public in case of acute and chronic poisonings – 24 h a day

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture according to the Regulation (EC) N° 1272/2008 (GHS)

Skin Sensitization, Category 1, H317

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## 2.2. Label elements according to Regulation (EC) N° 1272/2008 (GHS)

Symbol(s):



Signal Word: Warning

Hazard Statements: H317: May cause an allergic skin reaction

Precautionary Statements:

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P280e Wear protective gloves  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention  
P363 Wash contaminated clothing before reuse

Hazardous component(s) for labelling: 4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane

Contains epoxy-containing compounds. Observe manufacturer's instructions.

2.3. Other dangers: none known

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: -

3.2. Mixtures

*Chemical characterization* : Silicone epoxide resin, solvent free

**Hazardous components according to the Regulation (EC) N° 1272/2008 (GHS):**

Chemical name	CAS / EC / Registration N°	Concentration %	GHS product identifier
4,4'- Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	30583-72-3 500-070-7 01-2119959495-22	6 – 15 %	Skin Sens., 1, H317 Aquatic Chronic, 3, H412
Methanol	67-56-1 200-659-6 01-2119433307-44	≥ 0,1 – < 0,3	Flam.Liq.,2,H225 Acute Tox., 3 Oral, H301 Acute Tox., 3 Skin, H311 Acute Tox., 3 Inhalation, H331 STOT SE, 1 Oral, H370o STOT SE, 1 Skin, H370d STOT SE, 1 Inhalation, H370i

The full text of the hazard statements is contained in section 16. All existing information on exposure limits is contained in section 8.

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## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

*General indications:* Immediately remove soiled or soaked clothing.

*After inhalation:* Ensure supply of fresh air. In the event of symptoms seek medical advice.

*After skin contact:* Wash off immediately with water and soap. If irritation persists, seek medical advice.

*After contact with the eyes:* Rinse thoroughly with water. In the event of symptoms seek medical advice.

*After swallowing:* Thoroughly rinse the mouth with water. In the event of symptoms seek medical advice.

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

The following symptoms may occur: allergic symptoms

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

Treatment: treat symptomatically

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

*Suitable extinguishing media:* foam, carbon dioxide, dry powder, water spray

*Unsuitable extinguishing media:* full water jet

### 5.2. Special hazards arising from the substance or mixture

In the event of fire, the following can be released: carbon monoxide, carbon dioxide, silicon dioxide

Under certain conditions of combustion, traces of other toxic substances cannot be excluded.

### 5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases

Use self-contained breathing apparatus

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Ensure adequate ventilation.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways.

Do not discharge into the subsoil/soil.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, universal binder).

Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

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## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

*Advice on safe handling:* Wear respiratory protection when spraying. Provide good ventilation of working area (local exhaust ventilation if necessary).

*General protective measures:* Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.

*Hygiene measures:* Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working. Use barrier skin cream.

### 7.2. Conditions for safe storage, including any incompatibilities

*Advice on protection against fire and safe handling:* no special measures required

*Further information:* Keep container tightly closed in a well-ventilated place

*German store class:* 10

### 7.3. Specific end use(s): no further recommendations

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Components with workplace control parameters

Components	CAS-N°	Type/update	Value	Extreme value	Remarks
Methanol	67-56-1	TRGS 900/2006	200 ml/m <sup>3</sup> 270 mg/m <sup>3</sup>		Danger of skin-resorption - there is no fear of risk of harm to the unborn child if TLV is absorbed.

*DNEL/DMEL values:* No DNEL/DMEL values on file

*PNEC values:* No PNEC values on file

### 8.2. Exposure controls

*Respiratory protection:* In case of formation of vapours/aerosols - short term: filter apparatus combination filter A-P2

In solid or dust form (e.g. sanding cured product), worker must wear a Class P1 Particulate filter mask in accordance with AS/NZS1716.

*Hand protection:* Gloves made of nitrile (NBR)

Gloves made of butyl (IIR)

*Eye protection:* This product is not classified as an eye irritant. Any necessity for eye protection must be determined within the scope of a risk assessment.

*Skin and body protection:* Protective clothing

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<i>Form:</i>	paste-like
<i>Colour:</i>	in accordance with colour reference
<i>Odour:</i>	characteristic
<i>Smell threshold:</i>	not measured
<i>Melting temperature:</i>	not measured
<i>Boiling temperature:</i>	not measured
<i>Flash point:</i>	> 100 °C Method: DIN EN 22719 (DIN 51758)
<i>Evaporation rate:</i>	not measured
<i>Ignition temperature:</i>	not measured
<i>Autoignition temperature:</i>	not measured
<i>Thermal decomposition:</i>	not measured
<i>Lower explosion limit:</i>	not measured
<i>Upper explosion limit:</i>	not measured
<i>Vapour pressure:</i>	not measured

### 9.2. Other information:

<i>Density:</i>	about 1,50 g/cm <sup>3</sup> at 25 °C Method : DIN 51757
<i>Relative vapour density:</i>	not measured
<i>Water solubility:</i>	insoluble
<i>pH:</i>	not applicable
<i>Partition coefficient (n-octanol/water):</i>	not measured
<i>Viscosity, dynamic:</i>	not measured
<i>Explosive properties:</i>	not measured
<i>Oxidizing properties:</i>	not measured
<i>Metal corrosion:</i>	not measured

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

See section 3 "Possibility of hazardous reactions"

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hydrolysis may result in formation of methanol depending on the specific conditions of use.

When Part A is mixed with B (in the correct ratio) until curing occurs, it does not form any new chemical compounds that are more hazardous than those present in either Part A or Part B before mixing occurs.

### 10.4. Conditions/Circumstances to avoid

Unknown

### 10.5. Incompatible materials

Unknown

### 10.6. Hazardous decomposition products

None with proper storage and handling

## Section 11: TOXICOLOGICAL INFORMATION

<i>Acute oral toxicity:</i>	Acute toxicity estimate Dose > 2 000 mg/kg Method: calculation method
<i>Acute inhalation toxicity:</i>	Acute toxicity estimate Dose > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: calculation method
<i>Acute dermal toxicity:</i>	Acute toxicity estimate Dose > 2 000 mg/kg Method: calculation method
<i>Skin irritation:</i>	No data available
<i>Eye irritation:</i>	No data available
<i>Sensitization:</i>	No data available
<i>Risk of aspiration toxicity:</i>	No aspiration toxicity classification
<i>Repeated dose toxicity:</i>	No data available
<i>Judgement STOT–single exposition:</i>	No data available
<i>Judgement STOT–repeated exposure:</i>	No data available

### CMR assessment

<i>Carcinogenicity:</i>	No data available
<i>Mutagenicity:</i>	No data available
<i>Teratogenicity:</i>	No data available
<i>Toxicity to reproduction:</i>	No data available
<i>Remarks:</i>	Possibility of sensitisation through skin contact

## Section 12: ECOLOGICAL INFORMATION

Estimation of environmental toxicology:

Acute aquatic toxicity: no data available

Persistent aquatic toxicity: no data available

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### 12.1. Toxicity

Aquatic toxicity, fish: no data available  
Aquatic toxicity, invertebrates: no data available  
Aquatic toxicity, algae/hydrophytes: no data available  
Toxicity with micro-organisms: no data available  
Chronic toxicity, fish: no data available  
Chronic toxicity, aquatic invertebrates: no data available  
Toxicity soil organisms: no data available  
Toxicity terrestrial plants: no data available  
Toxicity for organisms living in the soil: no data available

### 12.2. Persistence and degradability

Degradation under the influence of light: no data available  
Biodegradability: no data available  
Physical-chemical removability: no data available  
Biochemical oxygen demand (BOD): no data available  
Chemical oxygen demand (COD): no data available  
Ratio BOD/COD: no data available  
Dissolved organic carbon (DOC): no data available  
Absorbed organic bound halogens (AOX): no data available  
Distribution in and between environmental compartments: no data available

### 12.3. Bio-accumulative potential

Bio-accumulation: no data available

### 12.4. Mobility in soil

Distribution in the environment: no data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

/

### 12.7. Other ecological information

General information: the product is considered to be a water pollutant (German law)  
Do not allow to enter soil, waterways or waste water canals.

## Section 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

*Product:* In accordance with local authority regulations, take to special waste incineration plant

*Contaminated packaging:* If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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## Section 14: TRANSPORT INFORMATION

The product is classified as unarmful according to transport regulations.

**14.1. UN number:** /

**14.2. UN proper shipping name:** /

**14.3. Transport hazard class(es):** /

**14.4. Packing group:** /

**14.5. Environmental hazards:** /

**14.6. Special precautions for user:** /

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Not applicable

## Section 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

*National legislation/regulations*

Comply with national and local legal regulations.

Australia inventory (AICS): All components are listed or exempted

*Germany*

TA Luft (Germany) Class: Paragraph 5.2.5 (no class)

Observe local authority regulations corresponding to the German incident regulation (StörfallV): ---

Water contaminating class: 2 (Classification acc. to German law)

Risk classification according to BetrSichV (Germany): ---

Other regulations: Special local regulations must be adhered to when using products containing irritating or corrosive substances.

BG Info Sheet M 050 "Activities Involving Hazardous Substances"

Precautions to be observed for storage of hazardous substances: TRGS 510 "Storage of Hazardous Substances in Movable Containers".

### 15.2. Chemical safety assessment

Information from the components or the conversion table (annex VII) are/is used for this assessment.

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## Section 16 : OTHER INFORMATION

Comply with national laws regulating employee instruction.

### *Hazard Statements*

H225	Highly flammable liquid and vapour
H301	Toxic if swallowed
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H370d	Causes damage to organs in contact with skin
H370i	Causes damage to organs if inhaled
H370o	Causes damage to organs if swallowed
H412	Harmful to aquatic life with long lasting effects

### *Glossary*

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADNR	European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways (AND)
BCF	Bioconcentration factor
BetrSchV	German Ordinance on Industrial Safety and Health
CMR	Carcinogenic-Mutagenic-toxic for Reproduction
DNEL	Derived no effect level
GLP	Good Laboratory Practice
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LOAEL	Lowest Observed Adverse Effect Level
LOEL	Lowest Observed Effect Level
NOAEL	No observed adverse effect level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bio-accumulative, Toxic
PNEC	Predicted No Effect Concentration
RID	Convention concerning International Carriage by Rail
TA	Technical Instructions
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very Persistent, very Bio-accumulative
VOC	Volatile Organic Compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
EC50	Half maximal Effective Concentration
STOT	Specific Target Organ Toxicity
OEL	Occupational Exposure Limit
PEC	Predicted effect concentration

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NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
ISO	International Organization for Standardization
DIN	German Institute for Standardization

*This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.*

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