

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

- Trade name: ECOGARD CELL
- Article number: 1005222

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

- Application of the substance / the mixture Flame retardant

### 1.3 Manufacturer/Supplier:

TÜCHLER Bühnen- & Textiltechnik GmbH  
Rennbahnweg 78  
A-1220 Wien

Tel.: +43 (0)1 400 10

### Informing department

- Emergency telephone number: +43 (0)1 406 43 43
- Product Safety Department Tel.: +43 (0)1 400 10 – [safety@tuechler.net](mailto:safety@tuechler.net)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product does not need to be classified according to the GB CLP regulation.

### 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms void
- Signal word void
- Hazard statements void

### 2.3 Other Hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable..
- vPvB: Not applicable..

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

- Description: Aqueous solution of compounds containing nitrogen and phosphorus
- Dangerous components: void

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of symptoms.
- After skin contact: wash with water and soap
- After eye contact: Rinse opened eye for several minutes under running water..
- After swallowing: In case of persistent symptoms consult doctor
- 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

.5.1 Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

.5.2 Special hazards arising from the substance or mixture

No further relevant information available.

.5.3 Advice for firefighters

· Protective equipment: Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

.6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective clothing.

.6.2 Environmental precaution: Do not allow product to reach sewage system or water bodies.

.6. 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

.6.4 Reference to other sections No dangerous materials are released.

## SECTION 7: Handling and storage

.7.1 Precautions for safe handling No special measures required.

· Information about protection against explosions and fires: No special measures required.

.7.2 Conditions for safe storage, including any incompatibilities

· Requirements to be met by storerooms and containers: No special requirements.

· Information about storage in one common storage facility: Not required

· Further information about storage conditions: None

· 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· Control parameters:

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

.8.2 Exposure controls

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals.

· Breathing equipment: Not required.

· Hand protection protective gloves.

· Material of gloves Nitrile rubber, NBR

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye/face protection safety glasses.
- Body protection: protective work clothing.

## SECTION 9: Physical and chemical properties

### 9.1 .1 Information on basic physical and chemical properties

- General Information
- physicalstate: liquid
- colour : colourless
- smell: Nearly odourless
- Odour threshold: Not determined.
- Melting point/freezing point: Not determined
- Boiling point or initial boiling point and boiling range 100 °C (H<sub>2</sub>O)
- Flash point: Not applicable.
- pH (100 g/l) at 20 °C : 4,0±1,0
- Solubility
- Water: soluble
- Density and/or relative density
- Density at 20 °C: 1,3±0,1 g/cm<sup>3</sup>

### 9.2 Other information :

- Appearance: liquid
- Form:
- Important information on protection of health and environment, and on safety.
- Self-inflammability: Product is not self-ignitable
- Explosive properties: Product is not explosive.

### Information with regard to physical hazard classes

- Explosives void
- Flammable gases void
- Aerosole void
- Oxidising gases void
- Gases under pressure void
- Flammable liquids void
- Flammable solids void
- Self-reactive substances and mixtures void
- Pyrophoric liquids void
- Pyrophoric solids void
- Self-heating substances and mixtures void
- Substances and mixtures, which emit flammable gases in contact with water void
- Oxidising liquids void
- Oxidising solids void
- Organic peroxides void
- Corrosive to metals void
- Desensitised explosives void

## SECTION 10: Stability and reactivity

- .10.1 Reactivity No further relevant information available.
- .10.2 Chemical stability
- Conditions to be avoided: No decomposition if used according to specifications.
- .10.3 Possibility of hazardous reactions No dangerous reactions known.
- .10.4 Conditions to avoid No further relevant information available.
- .10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: None

## SECTION 11: Toxicological information

- .11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

Oral	LD50	>2.000 mg/kg (rat)
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Skin corrosion/irritation

No irritant effect.

Method: OECD 404

Based on available data, the classification criteria are not met.

· Serious eye damage/irritation

No irritant effect.

Method: OECD 405

· Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties
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None of the ingredients is listed.
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## SECTION 12: Ecological information

.12.1 Toxicity:

· Aquatic toxicity:

LC50/96h >1.000 mg/l (Brachydanio rerio)

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable..
- vPvB: Not applicable..

- 12.6 Endocrine disrupting properties  
The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- Additional ecological information:
- General Notes: Do not allow product to reach ground water or water bodies.

### SECTION 13: Disposal considerations

- 13.1 Waste treatment methods:
  - Recommendation:  
Must be specially treated under adherence to official regulations.
  - Uncleaned packagings::
  - Recommendation:  
Disposal must be made according to official regulations.

### SECTION 14: Transport information

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|--|-----------------|
| 14.1 UN number or ID number                                  |                 |
| · ADR, ADN, IMDG, IATA                                       | Not applicable  |
| 14.2 UN proper shipping name                                 |                 |
| · ADR, ADN, IMDG, IATA                                       | Not applicable  |
| 14.3 Transport hazard class(es)                              |                 |
| · ADR, ADN, IMDG, IATA Class                                 | Not applicable  |
| 14.4 Packing group   |                 |
| · ADR, IMDG, IATA  | Not applicable  |
| 14.5 Environmental hazards:                                  | Not applicable. |
| 14.6 Special precautions for user                            | Not applicable. |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation":                                     | Not applicable  |

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.
· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- Department issuing data specification sheet: Product Safety Department
- Abbreviations and acronyms:
  - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  - GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ICAO: International Civil Aviation Organisation
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
- \* Data compared to the previous version altered.