

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

.1.1 Product identifier

. Trade name: ECOGARD STANDARD

. Article number: 1005296

.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

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 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 Sonstige 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. If symptoms persist, consult doctor.

- 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 precautions: Do not allow product to reach sewage system or water bodies.
- 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.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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:
Protect from heat and direct sunlight.
Do not store below 0 °C and above 40 °C
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 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

· Physical state	Liquid
· Colour:	Colourless
· Smell:	Characteristic
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	100 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable
· Self-inflammability:	Product is not self-ignitable
· Decomposition temperature:	Not determined.
· pH at 20 °C	2.0 - 4.0
· Viscosity:	
· Kinematic viscosity	Not determined.
· dynamic:	Not determined.
· Solubility	
· Water:	Fully miscible
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C	1.2±0.1g/cm ³

·9.2 Other information

· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Product is not explosive.

· Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	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	2,500 mg/kg (rat)
------	------	-------------------

· Remark: The product has not been tested. The information is derived from products of similar composition.

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation
Method: OECD 406 / Buehler test (Guinea pig)
The product has no sensitizing effect.
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

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity:

- Aquatic toxicity:

LC50/96h	1,870 mg/l (fish)
EC50/48h	700 mg/l (Daphnia magna)
EC50/72h subcapitata)	86.2 mg/l (Pseudokirchneriella)

- Degree of elimination: <70 % (OECD 302 B)
- 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:
 - COD value: 40 mg O₂/g
- 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: Packaging can be reused or recycled after cleaning.
 - Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

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:	
Marine pollutant:	No.
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.
.. National regulations
. Other regulations, limitations and prohibitive regulations
The product contains 50 % of a substance listed in Schedule 2 of the Chemical Weapons Convention.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

*

SECTION 16: Other information

- . Department issuing data specification sheet: Product Safety Department
- . Abbreviations and acronyms:
 - 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.
- .