

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: i.UNIVERSAL

Revision date: 08.06.2022

Printing date: 08.06.2022

Page 1/6

Version: 2

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SECTION 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: i.UNIVERSAL+

1.2 Application of the substance / the mixture

Preparation of adhesives

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: i.GLUESYSTEMS GmbH
Heinrich-Otto-Str. 71
D-73240 Wendlingen am Neckar
+49 7024 41549-20
info@i-gluesystems.com

Further information: +49 7024 41549-20
info@i-gluesystems.com

1.4 Emergency telephone no: +49(0) 551 19240 emergency phone number Göttingen 24h Mo-Su

SECTION 2

Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Ensure good ventilation during application and curing.

Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

Safety data sheet available on request.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

During the application and curing process of the material chemicals are released as vapour (see item 11).

Therefore ensure good ventilation or exhaustion if necessary.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3

Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Adhesive and sealant based on silane-terminated polymers (hybrid)

Dangerous components:

CAS: 2768-02-7	trimethoxyvinylsilane	≥0.1- <2.5%
EINECS: 220-449-8	Flam. Liq. 3, H226; Acute Tox. 4, H332	
Reg.nr.: 01-2119513215-52-xxxx	Sens. 1B, H317	

Additional information For the wording of the listed hazard phrases refer to section 16.

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: i.UNIVERSAL

Revision date: 08.06.2022

Printing date: 08.06.2022

Page 2/6

Version: 2

SECTION 4

First aid measures

4.1 Description of first aid measures

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing Do not induce vomiting; call for medical help immediately. Show container or label.

SECTION 5

Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:

Mount respiratory protective device.

Do not inhale explosion gases or combustion gases.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

SECTION 7

Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

see item 8: Personal protective equipment

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

SECTION 8

Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: i.UNIVERSAL
Revision date: 08.06.2022
Printing date: 08.06.2022

Page 3/6
Version: 2

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS No. Designation of material % Type Value Unit

Additional Occupational Exposure Limit Values for possible hazards during processing:

67-56-1 methanol

WEL Short-term value: 333 mg/m³, 250 ppm

Long-term value: 266 mg/m³, 200 ppm

Sk

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type ABEK according to standard EN 14387) is used.

Protection of hands: Protective gloves.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Recommended glove types: nitrile rubber

Recommended thickness of the material: ≥ 0.2 mm

Penetration time of glove material Breakthrough time: > 60 min

Eye protection: Safety glasses

Body protection: Protective work clothing.

SECTION 9

Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	pasty
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value:	Not determined.
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Change in condition

Melting point/freezing point:	undetermined
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Initial boiling point and boiling range:	undetermined
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Flash point:	Not applicable
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Auto-ignition temperature:	Product is not selfigniting.
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Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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Explosion limits:

Lower:	not applicable
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Upper:	not applicable
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Oxidising properties	Not determined.
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Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: i.UNIVERSAL
Revision date: 08.06.2022
Printing date: 08.06.2022

Page 4/6
Version: 2

Vapour pressure:	Not determined.
Density:	see technical datasheet
Vapour density	Not applicable.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	Not determined.

SECTION 10

Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Avoid strong heating.

10.6 Hazardous decomposition products: see item 5.2

SECTION 11

Toxicological information

11.1 Information on toxicological effects

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

LD/LC 50 values relevant for classification:

2768-02-7 trimethoxyvinylsilane

Oral LD50 7,100 mg/kg (rat)

Dermal LD50 3,200 mg/kg (rab)

Inhalative LC50/4 h 16.8 mg/l (rat)

Primary irritant effect:

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

Other information (about experimental toxicology):

Product hydrolyses under formation of methanol (CAS no. 67-56-1). Methanol is toxic by inhalation, in contact with skin and if swallowed. Methanol causes damage to organs. Methanol is highly flammable. Inhalation of aerosol spray may damage health.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

SECTION 12

Ecological information

12.2 Persistence and degradability

Other information: Product is not biodegradable.

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: i.UNIVERSAL
Revision date: 08.06.2022
Printing date: 08.06.2022

Page 5/6
Version: 2

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 13

Disposal considerations

13.1 Waste treatment methods

Recommendation

Observe local by-laws.

Already cured material can be disposed of with the domestic or commercial waste. Unconsumed material (fluid, paste-like) is to be disposed of as hazardous waste.

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14

Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Marine pollutant:

No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN „Model Regulation“:

Void

SECTION 15

Regulatory information

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

National regulations

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Details of international registration status:

Listed on or in accordance with the following inventories:

ENCs - Japan

listed

ECL - Korea

listed

Safety data sheet

according to 1907/2006/EC, Article 31

Trade name: i.UNIVERSAL

Revision date: 08.06.2022

Printing date: 08.06.2022

Page 6/6

Version: 2

NZIoC - New Zealand	listed
PICCS - Philippines	listed
REACH - Europe	listed
TCSI - Taiwan	listed
TSCA - USA	listed
AICS - Australia	listed
DSL- Canada	listed
IECSC - China not	listed

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16

Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

Department issuing SDS: Tel.: +49(0) 7153 929 7885

Contact: Tel.: +49(0) 7153 929 7885

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 européen sur le transport 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

*** Data compared to the previous version altered.**