

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

#### 1.1. Product identifier

Trade name/designation : Takyon<sup>®</sup> One-Step Kit Converter.  
 Article No (user) : UF-RTAD-D0101; UF-RTAD-D0701; UF-RTAD-D0705; UF-RTAD-D0710

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

Relevant identified uses : For research or laboratory use only. Not to be administered to humans or used for medical diagnostics.  
 Uses advised against : No data available.

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

Supplier : Name: Kaneka Eurogentec S.A.  
 Street: Rue Bois Saint-Jean, 5  
 Postal code/City: 4102 Seraing  
 Country: Belgium  
 Telephone: 0032 (0)4 372 74 00  
 Telefax: 0032 (0)4 372 75 00  
 E-mail: SDS@eurogentec.com

#### 1.4. Emergency Telephone Number

European Union: Contact your local poison center. See section 16.7

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is not classified as dangerous.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms -  
 Signal word -  
 Product identifiers -  
 Hazard Statements -  
 Supplemental Hazard information (EU) -  
 Precautionary Statements - General -  
 Precautionary Statements - Prevention -  
 Precautionary Statements - Response -  
 Precautionary Statements - Storage -  
 Precautionary Statements - Disposal -

#### 2.3. Other hazards

Not available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

Substance	C (%)	Classification	Specific concentration limits	Note
glycerol CAS N°:56-81-5 EC N°:200-289-5 IDX N°:	C≤ 50.0%	-	-	-

### 3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

### 3.3. Remark

Not available

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General information	:	When in doubt or if symptoms are observed, get medical advice.
Following inhalation	:	No special measures are necessary. Provide fresh air.
Following skin contact	:	Wash with soap and water.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.
Following ingestion	:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider	:	No special measures are necessary.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Notes for the doctor	:	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	:	Foam. Extinguishing powder. Carbon dioxide (CO <sub>2</sub> ). Sand.
Unsuitable extinguishing media	:	Strong water jet.

### 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

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

No special measures are necessary. Use appropriate respiratory protection. Provide adequate ventilation.

### 6.2. Environmental precautions

Ensure that waste is collected and contained. Contain leaks or spills within cabinets with removable trays.

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

Treat the recovered material as prescribed in the section on waste disposal. Collect in closed and suitable containers for disposal. Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

### 6.4. Reference to other sections

Safe handling: see section 7. Disposal: see section 13. Personal protection equipment: see section 8.

### 6.5. Additional information

Not available

## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

#### PROTECTIVE MEASURES

No special measures are necessary.

Use only in well-ventilated areas.

If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.

Provide adequate ventilation as well as local exhaustion at critical locations.

Vapours/aerosols should be exhausted directly at the point of origin.

### Advices on general occupational hygiene

Wash hands before breaks and after work.  
Remove contaminated, saturated clothing.  
Work in well ventilated zones or use proper respiratory protection.

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

Keep container tightly closed in a dry, cool, and well-ventilated place. Keep container in upright position in order to prevent leakage.

### Requirements for storage rooms and vessels

Ensure adequate ventilation of the storage area.  
Store at -20°C.

### 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits

Substance	Value	Unit	Type
glycerol CAS: 56-81-5 (EU)	10	mg/m <sup>3</sup>	Exposure limit (8 hours)

Not available

### 8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Personal protection equipment



- Eye/face protection : Suitable eye protection: Goggles
- Skin protection : Hand protection: Disposable gloves  
Body protection: Lab coat
- Respiratory protection : Respiratory protection necessary at: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus: Wear respiratory protection.  
Remark: The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.  
Remark: Observe the wear time limits as specified by the manufacturer.  
Remark: Use only respiratory protection equipment with CE-symbol including four digit test number.

### Environmental exposure controls

No special measures are necessary.

### 8.3. Additional information

Not available

## SECTION 9: Physical and chemical Properties

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

Physical state:	Liquid
Colour:	Colorless
Odour:	Odorless
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available

Vapour density:	Not available
Relative density:	Not available
Solubility(ies):	Fully Soluble
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

## 9.2. Other safety information

Not available

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Not available

### 10.3. Possibility of hazardous reactions

Not available

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Not available

### 10.7. Additional information

Not available

## SECTION 11: Toxicological information

### 11.1. Acute oral toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.2. Acute skin toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.3. Acute inhalation toxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.4. Skin corrosion

#### Data for mixture

Not available

#### Substances

Not available

### 11.5. Eye damage

#### Data for mixture

Not available

#### Substances

Not available

#### 11.6. Skin sensitisation

##### Data for mixture

Not available

##### Substances

Not available

#### 11.7. STOT RE

##### Data for mixture

Not available

##### Substances

Not available

#### 11.8. STOT SE

##### Data for mixture

Not available

##### Substances

Not available

#### 11.9. STOT RE

##### Data for mixture

Not available

##### Substances

Not available

#### 11.10. Carcinogenicity

##### Data for mixture

Not available

##### Substances

Not available

#### 11.11. Reproductive and Developmental Toxicity

##### Data for mixture

Not available

##### Substances

Not available

#### 11.12. Genotoxicity

##### Data for mixture

Not available

##### Substances

Not available

#### 11.13. In vitro genotoxicity

##### Data for mixture

Not available

##### Substances

Not available

#### 11.14. Respiratory sensitisation

##### Data for mixture

Not available

##### Substances

Not available

#### Serious eye damage/irritation

The product is not classified.

## SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### 12.2. Persistence and degradability

The product has not been tested.

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Other adverse effects

No data available.

#### 12.7. Additional ecotoxicological information

Not available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Product/Packaging disposal

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Dispose of waste according to applicable legislation.

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.

Packing which cannot be properly cleaned must be disposed of.

Dispose of waste according to applicable legislation.

For recycling, contact manufacturer.

#### 13.2. Additional information

Not available

### SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14.1. UN number	-	-	-	-
14.2. UN proper shipping name	-	-	-	-
14.3. Transport hazard class(es)				
Class or Division	-	-	-	-
Hazard label(s)				
14.4. Packing group	-	-	-	-

#### 14.5. Environmental hazards

Not regulated.

#### 14.6. Special precautions for user

Not regulated.

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

Not regulated.

#### 14.8. Additional information

Not available

### SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006. This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

Not available

#### 15.2. Chemical Safety Assessment

For this substance/mixture a chemical safety assessment is not required. No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier. For this substance/mixture a chemical safety assessment has been elaborated. For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

#### 15.3. Additional information

Not available

### SECTION 16: Other information

Creation date: 25/06/2021  
Version date: 25/06/2021  
Printing date: 25/06/2021

### 16.1. Indication of changes

Not applicable (first edition of the MSDS).

### 16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CLP: Classification, labeling and packaging. VPvB: very persistent and very bioaccumulative substances.

### 16.3. Key literature references and sources for data

No data available.

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)Not available

### 16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

### 16.7. Additional information

#### Emergency phone number:

 <a href="#">Austria</a>	13 11 26	 <a href="#">Latvia</a>	+371 67042743
 <a href="#">Belgium</a>	+32 (0)70 245 245	 <a href="#">Liechtenstein</a>	112
 <a href="#">Bulgaria</a>	+359 2 9154 409	 <a href="#">Lithuania</a>	+370 8-5 236 20 52
 <a href="#">Croatia</a>	+385 1 2348 342	 <a href="#">Luxembourg</a>	8002-5500
 <a href="#">Cyprus</a>	112	 <a href="#">Malta</a>	112
 <a href="#">Czech Republic</a>	+420 224 919 293 +420 224 915 402	 <a href="#">Netherlands</a>	112 +32 (0)70 245 245
 <a href="#">Denmark</a>	82 12 12 12	 <a href="#">Norway</a>	22 59 13 00
 <a href="#">Estonia</a>	16 662 +372 7943 794	 <a href="#">Poland</a>	112
 <a href="#">Finland</a>	09 471 977	 <a href="#">Portugal</a>	808250143
 <a href="#">France</a>	+33 (0)1 45 42 59 59	 <a href="#">Romania</a>	112
 <a href="#">Germany</a>	112 +32 (0)70 245 245	 <a href="#">Slovakia</a>	+421 2 5477 4166
 <a href="#">Greece</a>	+30 210 77 93 777	 <a href="#">Slovenia</a>	112
 <a href="#">Hungary</a>	+36 80 201 199	 <a href="#">Spain</a>	+34 91 562 04 20
 <a href="#">Iceland</a>	112 +543 2222 +543 1000	 <a href="#">Switzerland</a>	145
 <a href="#">Ireland</a>	+353 (0)1 809 2166	 <a href="#">Sweden</a>	112 (begär Giftinformation)
 <a href="#">Italy</a>	+35 (0)2 6610 1029	 <a href="#">United Kingdom</a>	111

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The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.