

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

### **1.1 Product identifier**

**Trade name:** AbsolutelDQ p400 HR Kit Plate

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

#### **Application of the substance / the mixture**

96-well plate used for sample preparation.

For research use only. Not for use in diagnostic procedures.

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

#### **Manufacturer/Supplier:**

**biocrates life sciences ag**

Eduard-Bodem-Gasse 8

A-6020 Innsbruck

T: +43 512 57 98 23

F: +43 512 57 98 23 329

**Further information obtainable from:** Email: office@biocrates.com

### **1.4 Emergency telephone number:**

+43 512 57 98 23

Available during office hours:

Mo-Fr: 9 a.m. - 5 p.m.

**Call the national emergency number!**

## **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:**

EUH208 Contains D3-Tetradecanoyl-L-Carnitine HCl. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

96 % of the mixture consists of component(s) of unknown toxicity.

Contains 96 % of components with unknown hazards to the aquatic environment.

### **2.3 Other hazards**

The product contains not fully tested substances and must be used with the required caution.

May irritate eyes and skin.

#### **Results of PBT and vPvB assessment**

**PBT:** No data available.

**vPvB:** No data available.

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### **SECTION 3: Composition/information on ingredients**

#### **3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

[% (w/w)]

D3-Tetradecanoyl-L-Carnitine HCl	< 1%
⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	

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

### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

**General information:**

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment in case of complaints.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse mouth.

Call a doctor immediately.

#### **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:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

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

In case of fire, the following can be released:

CO<sub>x</sub>, PO<sub>x</sub>

#### **5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

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## **SECTION 6: Accidental release measures**

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

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Avoid breathing dust.

**6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

### **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose of the material collected according to regulations.

### **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Prevent formation of dust.

Do not breathe dust.

The product contains not fully tested substances and must be used with the required caution.

Use personal protective equipment as required.

**Information about fire - and explosion protection:** No special measures required.

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

#### **Storage:**

#### **Requirements to be met by storerooms and receptacles:**

Store in accordance with local/regional/national/international regulations.

Store in a dry, cool, well-ventilated area.

**Information about storage in one common storage facility:** Not required.

#### **Further information about storage conditions:**

Keep container tightly sealed.

Store in dry conditions.

**Storage class:** 11

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

## **SECTION 8: Exposure controls/personal protection**

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

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**8.1 Control parameters**

**Ingredients with limit 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.

**DNELs** No data available.

**PNECs** No data available.

**Additional Occupational Exposure Limit Values for possible hazards during processing:**

The national dust limits must be observed in the event of dust generation.

**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.

Do not eat, drink, smoke or sniff while working.

Avoid contact with the eyes and skin.

Avoid breathing dust.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Respiratory protection:** Wear dust mask during formation of dust.

**Protection of hands:** Protective gloves recommended.

**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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

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

**Eye protection:** Safety glasses

**Body protection:** Protective work clothing

**Limitation and supervision of exposure into the environment**

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

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form:** Solid

**Colour:** Colourless

**Odour:** Characteristic

**Odour threshold:** No information available.

**pH-value:** Not applicable.

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**Change in condition**

**Melting point/freezing point:** No information available.

**Initial boiling point and boiling range:** No information available.

**Flash point:** Not applicable.

**Flammability (solid, gas):** No information available.

**Decomposition temperature:** No information available.

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** No information available.

**Upper:** No information available.

**Oxidising properties** No information available.

**Vapour pressure:** Not applicable.

**Density:** No information available.

**Relative density** No information available.

**Vapour density** Not applicable.

**Evaporation rate** No information available.

**Solubility in / Miscibility with water:** No information available.

**Partition coefficient: n-octanol/water:** No information available.

**Viscosity:**

**Dynamic:** No information available.

**Kinematic:** No information available.

**Solvent content:**

**Solids content:** 100.0 %

**9.2 Other information** No further relevant information available.

**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 and stored according to specifications.

**10.3 Possibility of hazardous reactions**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

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**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

The product contains not fully tested substances and must be used with the required caution.

96 % of the mixture consists of component(s) of unknown toxicity.

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

**Primary irritant effect:**

**Skin corrosion/irritation** May be irritating to skin.

**Serious eye damage/irritation** May be irritating to eyes.

**Respiratory or skin sensitisation**

Contains D3-Tetradecanoyl-L-Carnitine HCl. May produce an allergic reaction.

**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**

### **12.1 Toxicity**

**Aquatic toxicity:**

Contains 96 % of components with unknown hazards to the aquatic environment.

May be harmful to aquatic organisms.

**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.

**Additional ecological information:**

**General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

**12.5 Results of PBT and vPvB assessment**

**PBT:** No data available.

**vPvB:** No data available.

**12.6 Other adverse effects** No further relevant information available.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

**Recommendation**

Only dispose of product residues via authorised companies according to local legislation.

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**European waste catalogue**

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

16 03 05*	organic wastes containing hazardous substances
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**Uncleaned packaging:**

**Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

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/RID/ADN, ADN, IMDG, IATA not regulated

**14.2 UN proper shipping name**

ADR/RID/ADN, ADN, IMDG, IATA not regulated

**14.3 Transport hazard class(es)**

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

**14.4 Packing group**

ADR/RID/ADN, IMDG, IATA not regulated

**14.5 Environmental hazards:** Not applicable.

**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.

UN "Model Regulation": not regulated

\* **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.

**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**

H302 Harmful if swallowed.

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H317 May cause an allergic skin reaction.

**Department issuing SDS:**

UmEnA GmbH

<http://umena.at>

**Abbreviations and acronyms:**

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Sens. 1: Skin sensitisation – Category 1

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