

Safety Data Sheet (SDS)

According to Regulation (EG) No 1907/2006 (REACH)

According to ECHA guideline 3.1 November 2015

3D CoSeedis™ Matrix**11-UB-V0817, 22-UB-V0817 and 05-UB-V0819**

Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 1 of 8

Section 1: Identification of the substance/mixture and of the company

1.1 Product identifier	
Product name	3D CoSeedis™ Matrix
P/N	11-UB-V0817, 22-UB-V0817 and 05-UB-V0819
Product classification	3D cell culture product
EG-No.	None
CAS-No.	None
REACH Register No.	None
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Relevant usage	Cultivation of mammalian cells, for research purpose only
Uses advised against	No usage in humans, animals or diagnostic applications
1.3 Details of the supplier of the SDS	
Company	abc biopply ag Weissensteinstrasse 81 4500 Solothurn / SWITZERLAND Phone: +41 41 747 25 50 Fax: +41 41 743 25 36 Homepage: www.biopply.com Email: service@biopply.com
Enquiries about technical information	service@biopply.com
1.4 Emergency telephone number	
Company	+41 41 747 25 50, Mo – Fr 0900 - 1700

Section 2: Hazards identification

2.1 Classification of the substance or mixture	
	No classification
2.2 label elements	
Hazard pictograms	None
Hazard statements	None
2.3. Other hazards	
Environmental hazards	Does not contain any PBT or vPvB substances
Other hazards	Further hazards were not determined with the current level of knowledge

Section 3: Composition / Information on ingredients

3.1 Product type	
3D CoSeedis™ Matrix	The product is a mixture
3.2 Comment on component parts	
Dangerous components	No dangerous components
Substances of Very High Concern (SVHC)	Substances are not contained or are below 0.1%

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Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 2 of 8



SDS

Section 4: First aid measures

4.1 Description of first aid measures	
General information	Take off contaminated clothing and wash before reuse.
Inhalation	Not applicable
Skin contact	When in contact with skin, clean with soap and water. Consult a physician if skin irritation occurs and/or persists.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and possible. Continue rinsing. If eye irritation occurs and/or persists, seek medical advice.
Ingestion	Seek medical advice immediately. Induce vomiting only if patient is fully conscious. Rinse mouth with water and drink plenty of water.
4.1 Most important symptoms and effects, both acute and delayed	
	None known
4.2 Indication of any immediate medical attention and special treatment needed	
	Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	Product itself is non-combustible. Fire extinguishing method for surrounding areas must be considered.
Extinguishing media that must NOT be used	Full water jet
5.2 Special hazards arising from the substance or mixture	
	Risk of the formation of toxic pyrolysis products
5.3 Advise for firefighters	
	Use self-contained breathing apparatus.
	Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	
	No special measures necessary
6.2 Environmental precautions	
	Do not allow to enter the sewer system nor surface and ground waters
6.3 Methods and material for containment and cleaning up	
	Pick up with appropriate tool (tweezers, shovel, etc.) and dispose of in accordance with local regulations.
6.4 Reference to other sections	
	See section 8 and 13

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3D CoSeedis™ Matrix**11-UB-V0817, 22-UB-V0817 and 05-UB-V0819**

Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 3 of 8

Section 7: Handling and storage

7.1 Precautions for safe handling	
	The normal precautions for handling chemicals must be observed. Wash hands after work. Use barrier skin cream. Do not eat, drink, smoke or take drugs at work. Take off contaminated clothing and wash before reuse.
7.2 Conditions for safe storage, including any incompatibilities	
	Keep only in original container. Prevent penetration into the soil. Do not store together with food and animal food/diet. Keep container tightly closed. Protect from heat/overheating.
7.3 Specific end use(s)	
	See product use, section 1.2

Section 8: Exposure controls / personal protection

8.1 Control parameters	
Ingredients with occupational exposure limits to be monitored (GB)	Not applicable
8.2 Exposure controls	
Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses (EN 166:2001).
Hand protection	0.4 mm Nitrile rubber gloves, > 120 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing.
Other	Avoid contact with eyes and skin
Respiratory protections	Not required under normal conditions
Thermal hazards	None
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Form	Solid, gelatinous
Colour	Colourless
Odour	Odorless
Odour threshold	Not applicable
pH-value	Neutral
pH-value [1%]	Not determined
Boiling point [°C]	100°C

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3D CoSeedis™ Matrix**11-UB-V0817, 22-UB-V0817 and 05-UB-V0819**

Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 4 of 8

Flash point [°C]	Not applicable
Flammability (solid, gas) [°C]	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Oxidising properties	No
Vapour pressure/gas pressure [kPa]	Not determined
Density [g/ml]	Various
Bulk density [kg/m ³]	Not applicable
Solubility in water	miscible
Partition coefficient[n-octanol/water]	Not determined
Viscosity	Not applicable
Relative vapour density determined in air	Not applicable
Evaporation speed	Not applicable
Melting point [°C]	34 – 39°C, 1.5% (w/w)
Autoignition temperature [°C]	Not self-igniting
Decomposition temperature [°C]	Not determined
9.2 Other information	
	None

Section 10: Stability and reactivity

10.1 Reactivity	
	No dangerous reactions known if used as directed
10.2 Chemical stability	
	The product is stable under standard conditions as directed in manual
10.3 Possibility of hazardous reactions	
	No hazardous reactions known
10.4 Conditions to avoid	
	No dangerous reactions known if used as directed
10.5 Incompatible materials	
	Not determined
10.6 Hazardous decomposition products	
	No hazardous decomposition products known

Section 11: Toxicological information

11.1 Information on toxicological effects	
Acute toxicity	ATE-mix, inhalative, > 20 mg/l, 4h ATE-mix, dermal, > 2'000 mg/kg ATE-mix, oral, >2'000 mg/kg
Serious eye damage/irritation	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Skin corrosion/irritation	Does not contain a relevant substance that meets the classification criteria.

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3D CoSeedis™ Matrix

11-UB-V0817, 22-UB-V0817 and 05-UB-V0819

Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 5 of 8



SDS

	Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Respiratory or skin sensitisation	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Specific target organ toxicity – single exposure	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Specific target organ toxicity – repeated exposure	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Mutagenicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Reproduction toxicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Carcinogenicity	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled. Toxicological data of complete product are not available.
Aspiration hazard	Does not contain a relevant substance that meets the classification criteria. Based on the available information, the classification criteria are not fulfilled.
General remarks	None

Section 12: Ecological information

12.1 Toxicity	
12.2 Persistence and degradability	
Behaviour in environment compartments	Not determined
Behaviour in sewage plant	Not determined
Biological degradability	Not determined
12.3 Bioaccumulative potential	
	Accumulation in organisms is not expected.
12.4 Mobility in soil	
	Spillages may penetrate the soil causing ground water contamination.
12.5 Results of PBT and vPvB assessment	
	Based on all available information not to be classified as PBT or vPvB, respectively.
12.6 Other adverse effects	
	None known

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3D CoSeedis™ Matrix

11-UB-V0817, 22-UB-V0817 and 05-UB-V0819

Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 6 of 8



SDS

Section 13: Disposal considerations

13.1 Waste treatment methods	
	Waste material must be disposed of in accordance with the Directive on Waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal officer.
Product	Recycling not possible
Waste no. (recommended)	060314
Contaminated packaging	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended)	150102

Section 14: Transport information

14.1 UN number	
Transport by land according to ADR/RID	Not applicable
Inland navigation (AND)	Not applicable
Marine transport in accordance with IMDG	Not applicable
Air transport in accordance with IATA	Not applicable
14.2 UN proper shipping name	
Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (AND)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"
14.3 Transport hazard class(es)	
Transport by land according to ADR/RID	Not applicable
Inland navigation (AND)	Not applicable
Marine transport in accordance with IMDG	Not applicable
Air transport in accordance with IATA	Not applicable
14.4 Packing group	
Transport by land according to ADR/RID	Not applicable
Inland navigation (AND)	Not applicable
Marine transport in accordance with IMDG	Not applicable
Air transport in accordance with IATA	Not applicable

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3D CoSeedis™ Matrix

11-UB-V0817, 22-UB-V0817 and 05-UB-V0819

Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 7 of 8



SDS

14.5 Environmental hazards	
Transport by land according to ADR/RID	No
Inland navigation (AND)	No
Marine transport in accordance with IMDG	No
Air transport in accordance with IATA	No
14.6 Special precautions for user	
	Relevant information under Section 6 to 8
14.7 Transport in bulk according to Annex II of MARPOL and IBC Code	
	Not applicable

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
EEC-Regulations	1991/689 (2001/118);2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU)2016/131; (EU)517/2014
Transport Regulations	DOT Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.) ; IATA-DGR (2017).
National Regulations (GB)	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3 / CHIP 4.
<ul style="list-style-type: none">Observe employment restrictions for people	No
<ul style="list-style-type: none">VOC (2010/75/CE)	0%
15.2 Chemical safety assessment	
	Not applicable

Section 16: Other information

16.1 Abbreviations and acronyms	
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE	Acute toxicity estimate
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
EC50	Median effective concentration
ECB	European Chemicals Bureau
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances

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Version: 2.0

Revision: 03/2020

Valid from: 11.03.2020

Page 8 of 8

ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50	Inhibition concentration, 50%
IMDG	International Maritime Code for Dangerous Goods
IUCLID	International Uniform Chemical Information Database
LC50	Lethal concentration, 50%
LD50	Median lethal dose
LC0	Lethal concentration, 0%
LOAEL	Lowest-observed-adverse-effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic Substance
PNEC	Predicted No-Effect Concentration
REACH	Registration, evaluation, Authorisation and Restriction of Chemicals
STP	Sewage Treatment Plant
TLV®/TWA	Threshold limit value – time-weighted average
TLV®STEL	Threshold limit value – short-time exposure limit
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative
16.2 Other information	
Classified procedure	None
Modified position	None