

PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifiers

Product Name	Optima DTR™ 96-Well Ultra Plates
Catalog Number(s)	45891, 17832, 94836, 60122
Part Number	4050345
Synonyms	Aqueous suspension of cross-linked dextran beads

1.2. Recommended Use

Molecular Sieving. Research.

1.3. Supplier

Company	Edge BioSystems, Inc
Address	2032 Concourse Dr. San Jose, CA 95131
Telephone	1.301.990.2685 1.800.326.2685
Fax	1.301.990.0881
Email	customerservice@edgebio.com
Website	www.edgebio.com

1.4. Emergency Telephone Number

1.301.990.2685
1.800.326.2685

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2. GHS Label elements, precautions and signal words

Not a hazardous substance or mixture.

Precautionary Statements

Do not eat, drink or use tobacco when using this product. Wear gloves and eye protection. Use only in a well-ventilated area.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS-

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Composition

Chemical Name	CAS Number	%	Other Identifiers
Potassium Acetate	127-08-2	<1	K(acac); C ₂ H ₃ KO ₂
Cross-linked dextran	9048-71-9	7	Not Applicable
Water	7732-18-5	93	H ₂ O

4. FIRST AID MEASURES

4.1. Description of First Aid Measures

General advice

The toxicological properties of this product have not been determined. Consult a physician in case of severe irritation. Show this safety data sheet to the doctor in attendance.

If inhaled

Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid direct mouth-to-mouth resuscitation. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

In case of skin contact

Wash affected areas with plenty of water, and soap if available. Seek medical attention if irritation develops and persists.

In case of eye contact

Hold eye open and flush slowly and gently with plenty of water for several minutes. Remove any contact lenses, and continue flushing for several more minutes. Seek medical attention if irritation develops and persists. Clean contacts before reuse.

If swallowed

Do not induce vomiting. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

4.2. Most important symptoms and affects

If Inhaled

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

In case of skin contact

Wash affected areas with plenty of water, and soap if available, for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation develops and persists.

In case of eye contact

Hold eye open and flush slowly and gently with plenty of water for several minutes. Remove any contact lenses, and continue flushing for several more minutes. Seek medical attention if irritation develops and persists.

If swallowed

Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Get medical

attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

4.3. Indication of any immediate medical attention

None

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special Hazards arising from the substance or mixture

Does not present any special hazards.

5.3. Advice for firefighters

Move containers from area if it can be done without risk.

5.4. Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment (See Section 8). Avoid contact with eyes, skin or clothing.

6.2. Environmental precautions

Keep large spills out of sewers or waterways.

6.3. Methods and materials for containment and cleaning up

Small spills or leaks:

Sweep up and place in a compatible container for disposal.

Large spill or leaks:

Sweep up and place in a compatible container for disposal.

No special clean-up methods are necessary.

6.4. Reference to other sections

For disposal see section 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear appropriate protective equipment (See Section 8). Avoid contact with eyes, skin or clothing. Do not pipette by mouth. Wash hands thoroughly after handling.

Immediately remove contaminated clothing using the method that minimizes exposure. Keep contaminated clothing in container. Launder clothes before re-wearing. Inform laundry personnel of product hazards.

7.2. Conditions for safe storage, including any incompatibilities.

Store at ambient temperature for short term storage, or at 4°C for long term storage. Keep container sealed. No known storage incompatibilities.

7.3. Specific end uses

See section 1.2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls

General dilution ventilation system is adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Personal protective equipment

Eye/face protection

Prevent eye contact. Wear safety goggles.

Skin protection

Prevent skin contact. Wear protective clothing and gloves.

No known fabric/material incompatibilities.

Respiratory protection

None required under normal use conditions.

Control of environmental exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Aqueous bead suspension

a)

b)	Color	White
c)	Odor	None
d)	pH	6-8
e)	Melting point/freezing point	No data available
f)	Flash point	Product does not sustain combustion
g)	Evaporation rate	No data available
h)	Flammability	Does not sustain combustion
i)	Vapor pressure	No data available
j)	Vapor density	No data available
k)	Relative density	No data available
l)	Water solubility	insoluble
m)	Partition Coefficient, n-Octanol/Water	No data available

n)	Auto-ignition Temperature	Does not ignite
o)	Decomposition Temperature	No data available
p)	Viscosity	No data available
q)	Explosive properties	No data available
r)	Oxidizing properties	Product is not classified as oxidizing

9.2. Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive. Not sensitive to mechanical impact.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None expected under normal conditions of storage and use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure

Skin contact, eye contact, ingestion

Acute toxicity

No information available

Skin corrosion/irritation

No information available

Eye damage/eye irritation

No information available

Respiratory or skin sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

Specific target organ toxicity- single exposure

No information available

Specific target organ toxicity- repeated exposure

No information available

Aspiration hazard

No information available

Interactive Effects

No information available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

The product itself and its products of degradation are not toxic.

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Not available.

12.6. Other adverse effects

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Recommended disposal methods are for the product as sold, as used materials may contain other hazardous contaminants.

The generation of waste should be avoided or minimized wherever possible. Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

Contaminated packaging

Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

14.1. DOT (US)

Not dangerous good

14.2. IMDG

Not dangerous good

14.3. IATA

Not dangerous good

15. REGULATORY INFORMATION

OSHA regulatory status
(29 CFR 1910.1200)

Not Hazardous

CERCLA reportable quantity
(40 CFR 117, 302)

Not reportable

SARA extremely hazardous substances (40 CFR 355)

None

SARA hazard categories
(40 CFR 370)

None

SARA toxic chemicals
(40 CFR 372)

None

Inventory Status The chemicals in this product are not on either the TSCA Chemical

The chemicals in this product are not on either the TSCA Chemical Substance Inventory or Canadian Domestic Substance List.

Toxic Substance Control Act

May only be used for research and development purposes in small quantities by, or under the direct

Controlled Product Regulations

supervision of, technically qualified persons in compliance with 40 CFR Section 720.36.

This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the SDS contains all required information. Not a controlled product.

WHMIS classification

Right to Know Components

Name
None

CAS Number

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Prepared by

Quality and Safety Office
Edge BioSystems, Inc.
1.800.326.2685
customerservice@edgebio.com

Revision Date

28-Aug-17

Version

1.0

Revision made

Not applicable

Disclaimer

The above information is believed to be correct at the date of its publication and does not purport to be all-inclusive. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification and shall only be used as a guide. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Edge BioSystems shall not be held liable for any damage resulting from handling or from contact with the above product.

End of SDS