

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Binding Buffer**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

Acute oral toxicity: Category 4

Skin irritation: Category 2

Eye irritation: Category 2A

Hazard statements: H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation

Precautionary statements

Prevention

P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves / protective clothing / eye protection / face protection
P261 - Avoid breathing dust / fume / gas / mist / vapors / spray
P273 - Avoid release to the environment
P270 - Do not eat, drink or smoke when using this product

Response

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
P330 - Rinse mouth

Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Label Elements

Signal word:

Warning!



Carcinogenicity:

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Guanidine hydrochloride	50-01-1	20-50%

Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product. We recommend handling all chemicals with caution.

SECTION 4. FIRST AID MEASURES

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Skin contact:	Wash with soap and plenty of water for several minutes. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	Causes skin irritation. Causes serious eye irritation.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

Safe handling advice:	Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.
-----------------------	--

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits	Contains no substances with occupational exposure limit values.
Eye/face protection:	Use safety glasses or chemical goggles. Use equipment for eye protection tested and approved

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

Respiratory protection:

In the case of vapor formation use a respirator with an approved filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odour:	Odourless
pH:	5 - 7
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Specific gravity:	No data available
Solubility:	Soluble in water
Density:	No data available

SECTION 10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None

Possibility of Hazardous Reactions Hazardous decomposition products formed under fire conditions.

Keep away from oxidizing agents, and acidic or alkaline products.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

Acute oral toxicity:	No data available
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	No data available

Component Information

Guanidine hydrochloride

Acute oral toxicity:	LD50 Oral Rat: 1,120 mg/kg
Acute inhalation toxicity:	LC50 Inhalation - Rat - female - 4 h - 3.181 mg/l (OECD Test Guideline 403)
Acute dermal toxicity:	No data available
Skin corrosion/irritation:	Rabbit (Result: Skin irritation)
Serious eye damage/eye irritation:	Rabbit (Result: Irritating to eyes)

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	Toxicity to fish LC50 - Leuciscus idus (Golden orfe) - 1,759 mg/l
Mobility:	No data available.
Biodegradation:	No data available.
Bioaccumulation:	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose of contents/container as hazardous waste in accordance with local regulations. Contact a licensed professional waste disposal service to dispose of this material.
-------------------	--

SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0

**SECTION 14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

Component	CAS No.	US TSCA
Guanidine hydrochloride	50-01-1	Listed

US Federal Regulations

SARA 311/312: Acute Health Hazard

SARA 302: This product is not regulated by SARA.

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs.

US State Regulations

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Hazard Class D1B Toxic materials
D2B Toxic materials**SECTION 16. OTHER INFORMATION**

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **CAT5™ Reagent**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

GHS Not classified as hazardous.

Label Elements

GHS Not classified as hazardous.

Carcinogenicity:

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Sodium dodecyl sulfate	151-21-3	1-5%

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 4. FIRST AID MEASURES

Skin contact:	Wash with soap and plenty of water for several minutes. Immediate medical attention is not required. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	No information available.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

Safe handling advice:	Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.
-----------------------	--

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Exposure limits	Contains no substances with occupational exposure limit values.
Eye/face protection:	Use safety glasses or chemical goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:	Handle with gloves. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odour:	Odourless
pH:	6.4 - 7.2
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Specific gravity:	No data available
Solubility:	Soluble in water
Density:	No data available

SECTION 10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	None

SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Acute oral toxicity: No data available
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

Component Information

Sodium dodecyl sulfate

Acute oral toxicity: LD50 Oral Rat: 1,228 mg/kg
Acute inhalation toxicity: LC50 Inhalation - Rat - 1 h - > 3,900 mg/m³
Acute dermal toxicity: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to daphnia and other aquatic invertebrates
Sodium dodecyl sulfate	Growth inhibition LOEC - Pseudokirchneriella subcapitata - 2.68 mg/l - 6 d static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - > 120 mg/l - 72 h	flow-through test LC50 - Pimephales promelas (fathead minnow) - 29 mg/l - 96 h (OECD Test Guideline 203)	LC50 - Daphnia dubia (water flea) - 5.55 mg/l - 48 h NOEC - Daphnia dubia (water flea) - 0.684 mg/l - 7 d

Mobility: No data available.
Biodegradation: No data available.
Bioaccumulation: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents/container in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0



Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

Component	CAS No.	US TSCA
Sodium dodecyl sulfate	151-21-3	Listed

US Federal Regulations

SARA 311/312: This product is not regulated by SARA.

SARA 302: This product is not regulated by SARA.

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs.

US State Regulations

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Hazard Class Non-controlled.

SECTION 16. OTHER INFORMATION

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Deparaffinization Reagent**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

GHS Not classified as hazardous.

Label Elements

GHS Not classified as hazardous.

Carcinogenicity:

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Mineral oil	8042-47-5	90-100%

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 4. FIRST AID MEASURES

Skin contact:	Wash with soap and plenty of water for several minutes. Immediate medical attention is not required. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	No information available.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

Safe handling advice:	Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.
-----------------------	--

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Control parameters

Mineral oil
CAS No. 8042-47-5

Value: TWA
Parameter: 5.000000 mg/m³
Basis: USA. Occupational Exposure Limits (OSHA) -
Table Z-1 Limits for Air Contaminants

Value: TWA
Parameter: 5.000000 mg/m³
Basis: USA. NIOSH Recommended Exposure Limits

Value: PEL
Parameter: 5 mg/m³
California permissible exposure limits for chemical
contaminants (Title 8, Article 107)

Eye/face protection:

Use safety glasses or chemical goggles. Use
equipment for eye protection tested and approved
under appropriate government standards such as
NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Refer U.S. OSHA 29 CFR
1910.138, European Standard EN374 or appropriate
government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Color:	Colorless
Odour:	Odourless
pH:	No data available
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Specific gravity:	No data available
Solubility:	No data available
Density:	No data available

SECTION 10. STABILITY AND REACTIVITY

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



This material is stable under normal conditions of use.

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None

SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

Acute oral toxicity: LD50 Oral - Rat - male and female - > 5,000 mg/kg (OECD Test Guideline 401)

Effects due to ingestion may include: laxative effect, gastrointestinal disturbance.

Acute inhalation toxicity: LC50 Inhalation - Rat - male and female - 4 h - > 5 mg/l (OECD Test Guideline 403)

Aspiration may lead to: lipid pneumonia.

Acute dermal toxicity: LD50 Dermal - Rabbit - male and female - > 2,000 mg/kg (OECD Test Guideline 402)

Repeated dose toxicity: Rat - female - Oral - NOAEL : 1,600 mg/kg - LOAEL : 160 mg/kg - OECD Test Guideline 408

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxicity to fish:
static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates:
static test LC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)

Mobility: No data available.

Biodegradation: No data available.

Bioaccumulation: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Disposal methods: Dispose of contents/container in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

SARA 311/312: This product is not regulated by SARA.

SARA 302: This product is not regulated by SARA.

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs.

US State Regulations

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Hazard Class Non-controlled.

SECTION 16. OTHER INFORMATION

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Dnase Buffer**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

GHS Not classified as hazardous.

Label Elements

GHS Not classified as hazardous.

Carcinogenicity:

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients No hazardous ingredients.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 4. FIRST AID MEASURES

Skin contact:	Wash with soap and plenty of water for several minutes. Immediate medical attention is not required. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	No information available.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

Safe handling advice:	Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.
-----------------------	--

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Exposure limits	Contains no substances with occupational exposure limit values.
Eye/face protection:	Use safety glasses or chemical goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:	Handle with gloves. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odour:	Odourless
pH:	7-8
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Specific gravity:	No data available
Solubility:	No data available
Density:	No data available

SECTION 10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	None

SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Acute oral toxicity:	No data available
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Mobility:	No data available.
Biodegradation:	No data available.
Bioaccumulation:	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose of contents/container in accordance with local regulations.
-------------------	---

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

SARA 311/312:	This product is not regulated by SARA.
SARA 302:	This product is not regulated by SARA.
SARA 313:	This product is not regulated by SARA.
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):	This product does not contains HAPs.

US State Regulations

California Prop 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
WHMIS Hazard Class	Non-controlled.

SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0

**SECTION 16. OTHER INFORMATION**

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Dnase I**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

GHS Not classified as hazardous.

Label Elements

GHS Not classified as hazardous.

Carcinogenicity:

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Dnase I	9003-98-9	90-100%

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 4. FIRST AID MEASURES

Skin contact:	Wash with soap and plenty of water for several minutes. Immediate medical attention is not required. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	No information available.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

Safe handling advice:	Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.
-----------------------	--

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0



Exposure limits	Contains no substances with occupational exposure limit values.
Eye/face protection:	Use safety glasses or chemical goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:	Handle with gloves. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid
Color:	Colorless
Odour:	Odourless
pH:	No data available
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Specific gravity:	No data available
Solubility:	Soluble in water
Density:	No data available

SECTION 10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	None

SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Acute oral toxicity:	No data available
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Mobility:	No data available.
Biodegradation:	No data available.
Bioaccumulation:	No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose of contents/container in accordance with local regulations.
-------------------	---

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

SARA 311/312:	This product is not regulated by SARA.
SARA 302:	This product is not regulated by SARA.
SARA 313:	This product is not regulated by SARA.
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):	This product does not contains HAPs.

US State Regulations

California Prop 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
WHMIS Hazard Class	Non-controlled.

SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0

**SECTION 16. OTHER INFORMATION**

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Lysis Buffer**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

GHS Not classified as hazardous.

Label Elements

GHS Not classified as hazardous.

Carcinogenicity:

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Sodium dodecyl sulfate	151-21-3	1-5%

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 4. FIRST AID MEASURES

Skin contact:	Wash with soap and plenty of water for several minutes. Immediate medical attention is not required. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	No information available.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

Safe handling advice:	Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.
-----------------------	--

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits	Contains no substances with occupational exposure limit values.
-----------------	---

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Eye/face protection:	Use safety glasses or chemical goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:	Handle with gloves. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Colorless
Odour:	Odourless
pH:	6.4 - 7.2
Melting point:	No data available
Boiling point:	No data available
Flash point:	No data available
Vapor pressure:	No data available
Specific gravity:	No data available
Solubility:	Soluble in water
Density:	No data available

SECTION 10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

Conditions to Avoid:	None
Materials to Avoid:	None
Hazardous Decomposition Products:	None

SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

Acute oral toxicity:	No data available
Acute inhalation toxicity:	No data available

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Acute dermal toxicity: No data available

Component InformationSodium dodecyl sulfate

Acute oral toxicity: LD50 Oral Rat: 1,228 mg/kg

Acute inhalation toxicity: LC50 Inhalation - Rat - 1 h - > 3,900 mg/m³

Acute dermal toxicity: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to daphnia and other aquatic invertebrates
Sodium dodecyl sulfate	Growth inhibition LOEC - Pseudokirchneriella subcapitata - 2.68 mg/l - 6 d static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - > 120 mg/l - 72 h	flow-through test LC50 - Pimephales promelas (fathead minnow) - 29 mg/l - 96 h (OECD Test Guideline 203)	LC50 - Daphnia dubia (water flea) - 5.55 mg/l - 48 h NOEC - Daphnia dubia (water flea) - 0.684 mg/l - 7 d

Mobility: No data available.

Biodegradation: No data available.

Bioaccumulation: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents/container in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0



Component	CAS No.	US TSCA
Sodium dodecyl sulfate	151-21-3	Listed

US Federal Regulations

SARA 311/312: This product is not regulated by SARA.

SARA 302: This product is not regulated by SARA.

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs.

US State Regulations

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

WHMIS Hazard Class Non-controlled.

SECTION 16. OTHER INFORMATION

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Protease**

Recommended Use: Laboratory chemicals

Company: Cell Data Sciences Inc.
46127 Landing Pkwy
Fremont, CA 94538

Email: safety@celldatasci.com

Information Phone Number: 855.620.7300 x500
9-4 pm PST M-F

SECTION 2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

Acute oral toxicity: Category 4

Skin irritation: Category 2

Serious eye damage: Category 1

Respiratory sensitisation: Category 1

Specific target organ toxicity – single exposure: Category 3, Respiratory system

Acute aquatic toxicity: Category 1

Chronic aquatic toxicity: Category 2

Label Elements

Pictogram:



Signal word:

Danger

Hazard statements

H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Precautionary statements

Prevention

P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves / protective clothing / eye protection / face protection
P261 - Avoid breathing dust / fume / gas / mist / vapors / spray
P273 - Avoid release to the environment
P270 - Do not eat, drink or smoke when using this product

Response

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing
P330 - Rinse mouth
P332 + P313 - If skin irritation occurs, get medical advice / attention.
P342 + P311 - If experiencing respiratory symptoms, call a POISON CENTER or doctor / physician.

Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant

Carcinogenicity:

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Concentration
Alkaline Protease	9014-01-1	1-10%

SECTION 4. FIRST AID MEASURES

Skin contact:	Wash with soap and plenty of water for several minutes. Immediate medical attention is not required. If symptoms are present, consult a physician.
Eye contact:	Remove contact lenses. Wash eyes with water for at least 15 minutes. Consult a physician.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	If breathed in, move person into fresh air.
Most important symptoms and effects, both acute and delayed:	No information available.
Notes to physician:	No information available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	No combustion products posing significant hazards are expected from this product (an aqueous solution).
Protective equipment for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No further relevant information available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws. Clean up with soap and water.

SECTION 7. HANDLING AND STORAGE

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Safe handling advice: Use good laboratory procedures; avoid eye and skin contact. See section 8 for recommended personal protective equipment.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits Subtilisin (CAS No. 9014-01-1)

Value: C
Control parameter: 0.000060 mg/m³
Basis: USA. ACGIH Threshold Limit Values (TLV)

Value: ST
Control parameter: 0.000060 mg/m³
Basis: USA. NIOSH Recommended Exposure Limits

Remarks: Asthma; Skin, Upper Respiratory Tract, Lower Respiratory Tract Irritation

Eye/face protection: Use safety glasses or chemical goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate government standards.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Colorless

Odour: Odourless

pH: No data available

Melting point: No data available

Boiling point: No data available

Flash point: No data available

Vapor pressure: No data available

Specific gravity: No data available

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Solubility: Soluble in water
Density: No data available

SECTION 10. STABILITY AND REACTIVITY

This material is stable under normal conditions of use.

Conditions to Avoid: None
Materials to Avoid: None
Hazardous Decomposition Products: None

SECTION 11. TOXICOLOGICAL INFORMATION

Product Information

Acute oral toxicity: No data available
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

Component Information

Alkaline Protease

Acute oral toxicity: LD50 Oral - Rat - male and female - 1,800 mg/kg (OECD Test Guideline 401)
Acute inhalation toxicity: No data available
Acute dermal toxicity: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxicity to fish: semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 8.2 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates: semi-static test EC50 - Daphnia magna (Water flea) - 0.170 mg/l - 48 h (OECD Test Guideline 202)

SAFETY DATA SHEET

Revision Date: September 24, 2016
Version 1.0



Toxicity to algae: static test EC50 -
Pseudokirchneriella subcapitata - 0.83 mg/l - 72
h (OECD Test Guideline 201)

Mobility: No data available.

Biodegradation: Aerobic - Exposure time 29 d
Result: 100 % - Readily biodegradable
(OECD Test Guideline 301B)

Bioaccumulation: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents/container in accordance
with local regulations.

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

SARA 311/312: This product is not regulated by SARA.

SARA 302: This product is not regulated by SARA.

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air
Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs.

US State Regulations

California Prop 65: This product does not contain any chemicals
known to the State of California to cause
cancer, birth, or any other reproductive defects.

WHMIS Hazard Class D2A Very Toxic Material Causing Other Toxic
Effects



SAFETY DATA SHEET

Revision Date: September 24, 2016

Version 1.0

**SECTION 16. OTHER INFORMATION**

Copyright 2016 Cell Data Sciences, Inc. License granted to make unlimited paper copies for internal use only. The above information is believed to be true and correct as of the issue date, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Data Sciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See celldatasci.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.