

Safety Data Sheet

acc. to OSHA HCS

Page 1/7

Printing date 07/19/2018

Reviewed on 03/15/2018

1 Identification

Product identifier

Trade name: iScript™ DNase Buffer

Catalog or product number: 10042549, 10042547

Application of the substance / the mixture Laboratory chemicals

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Bio-Rad Laboratories, Life Science Group
2000 Alfred Nobel Drive
Hercules, California 94547

(510)741-1000

Information department: lsg_techserv_us@bio-rad.com

Emergency telephone number:

1(800)424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.
510-741-1000

2 Hazard(s) identification

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Listing of dangerous and non-hazardous components: Void

Additional information For the wording of the listed risk phrases refer to section 15.

4 First-aid measures

Description of first aid measures

General information No special measures required.

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

After eye contact Rinse opened eye for several minutes under running water.

After swallowing Rinse mouth with water. Seek medical attention and appropriate follow-up.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Page 2/7

Printing date 07/19/2018

Reviewed on 03/15/2018

Trade name: iScript™ DNase Buffer

Indication of any immediate medical attention and special treatment needed No further relevant information available. (Contd. of page 1)

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective clothing.

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

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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.

Protective Action Criteria for Chemicals

PAC-1:

None of the ingredients is listed.

PAC-2:

None of the ingredients is listed.

PAC-3:

None of the ingredients is listed.

7 Handling and storage

Handling

Precautions for safe handling No special precautions are necessary if used correctly.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: According to product specification

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

Further information about storage conditions: None.

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

8 Exposure controls/personal protection

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

(Contd. on page 3)

US

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Safety

Safety Data Sheet
 acc. to OSHA HCS

Page 3/7

Printing date 07/19/2018

Reviewed on 03/15/2018

Trade name: **iScript™ DNase Buffer**

(Contd. of page 2)

Control parameters

Components 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.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed.

Breathing equipment: Not required.

Protection of hands: Protective gloves.

Material of gloves Synthetic gloves

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

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Clear
Odor:	Odorless
Odor threshold:	Not determined.

pH-value at 20 °C:

8

Change in condition

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	undetermined

Flash point: Not applicable

Flammability (solid, gaseous) Not applicable.

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure at 20 °C: 23 hPa

Density: Not determined

Relative density Not determined.

Vapor density Not determined.

Evaporation rate Not determined.

(Contd. on page 4)

US

Safety Data Sheet
 acc. to OSHA HCS

Page 4/7

Printing date 07/19/2018

Reviewed on 03/15/2018

Trade name: **iScript™ DNase Buffer**

(Contd. of page 3)

Solubility in / Miscibility with

Water: Not determined.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

dynamic: Not determined.

kinematic: Not determined.

Solvent content:

Water: 97.9 %

Solids content:

3.3 %

Other information

No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

11 Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritant effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

(Contd. on page 5)

US

Safety Data Sheet

acc. to OSHA HCS

Page 5/7

Printing date 07/19/2018

Reviewed on 03/15/2018

Trade name: iScript™ DNase Buffer

(Contd. of page 4)

Target organs: Not applicable.

12 Ecological information

- Toxicity**
- Aquatic toxicity:** No further relevant information available.
- Persistence and degradability:** No further relevant information available.
- Behavior in environmental systems:**
- Bioaccumulative potential:** No further relevant information available.
- Mobility in soil:** No further relevant information available.
- Additional ecological information:**
- General notes:**
 - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
 - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.
- Other adverse effects:** No further relevant information available.

13 Disposal considerations

- Waste treatment methods**
- Recommendation**
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - Dispose of waste in accordance to applicable national, regional, or local regulations.
- Uncleaned packagings:**
- Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- | | |
|------------------------------|-----------------|
| UN-Number | Void |
| DOT, ADR, ADN, IMDG, IATA | |
| UN proper shipping name | Void |
| DOT, ADR, ADN, IMDG, IATA | |
| Transport hazard class(es) | |
| DOT, ADR, ADN, IMDG, IATA | Void |
| Class | |
| Packing group | Void |
| DOT, ADR, IMDG, IATA | |
| Environmental hazards: | No |
| Marine pollutant: | |
| Special precautions for user | Not applicable. |

(Contd. on page 6)
US

Safety Data Sheet

acc. to OSHA HCS

Page 6/7

Printing date 07/19/2018

Reviewed on 03/15/2018

Trade name: iScript™ DNase Buffer

(Contd. of page 5)

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|---|-----------------|
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| UN "Model Regulation": | Void |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture**
- SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)**
- Section 302/304 (40CFR355.30 / 40CFR355.40):**
 - None of the ingredients is listed.
- Section 313 (40CFR372.65):**
 - None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):**
 - 77-86-1 Tris(hydroxymethyl)aminomethane
 - Proprietary Reagent MK10
 - 7732-18-5 water
- California Proposition 65:**
 - None of the ingredients is listed.
- Chemicals known to cause cancer:**
 - The product does not contain listed components.
- Developmental Toxicity**
 - None of the ingredients is listed.
- Carcinogenic categories**
- EPA (Environmental Protection Agency)**
 - None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)**
 - None of the ingredients is listed.
- MAK (German Maximum Workplace Concentration)**
 - None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)**
 - None of the ingredients is listed.
- National regulations**
- Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

Department issuing SDS: Environmental Health and Safety.

(Contd. on page 7)
US

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/19/2018

Reviewed on 03/15/2018

Trade name: IScript™ DNase Buffer

(Contd. of page 6)

Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000
Date of preparation / last revision 07/19/2018 / -

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
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

* Data compared to the previous version altered.

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