Version No.

Revision Date DECEMBER 2014
Origination Date JULY 21, 2009

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Safety Data Sheet

Prepared for US/CN/EU Markets as International Trade

Product Name SEQUENCE ENRICHMENT DROPLET STABILIZER



1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY / UNDERTAKING

Product Name SEQUENCE ENRICHMENT DROPLET STABILIZER (in 1.5-ml plastic vial)

Synonym (s) Droplet Stabilizer
Product Codes 30-00826, 30-07206
REACH Registration Number Not available

Chemical Family Product Use/s This product is a clear low viscosity liquid categorized as an aqueous solution.

reagent with an as-designed, intended-use consisting of direct end-use application, such as mixing with customer samples before using the Sequence Enrichment platforms. The product has an end-use application in controlled, non-clinical/non-diagnostic laboratories (see, Sequence Enrichment Product Installation and Use Instructions that accompany the product). This product is considered a Mixture or Preparation that is regulated under US-OSHA; CN-WHMIS; UN-GHS; ISO; UK-CHIP; or EU Directives (98/24/EC-Chemical Agents at Work, 1999/45/EC-Dangerous Preparations, and 1907/2006/EC-REACH), and an MSDS/SDS is required for this product considering that when used as recommended or intended, or under

Non-Consumer/Commercial End Product. This finished product provides a laboratory-grade

ordinary conditions, it may present a health and safety exposure or other hazard.

Company / Undertaking

Identification

RainDance Technologies, Inc. (USA)

749 Middlesex Turnpike, Billerica MA 01821

Suppliers Imported to CN and EU by RainDance Technologies, Inc. Billerica, MA (USA)

Emergency Telephone North America: CHEMTREC 800-424-9300

EU: CHEMTREC (+1) 703-527-3887 (collect calls accepted, USA contact)

Non-emergency health/safety

information e-mail address North America: (978) 495-3300

EU: (+1) (978) 495-3300 (USA contact) customercare@raindancetech.com

Additional Information Please request information if considering use beyond current product labeling or instructions.

2. HAZARDS IDENTIFICATION

Not Classified

Physical & Chemical: NOT CLASSIFIED UNDER GHS

Health: NOT CLASSIFIED UNDER GHS
Environmental: NOT CLASSIFIED UNDER GHS

Further Information: -

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nameCAS-NoEINECS/ELINCSClassificationConcentration %Alkoxylated diamineProprietaryNAWng: H319, H335, H3151 - 15Water7732-18-5231-792-2Not classifiedBalance

Further Information: NA

4. FIRST AID MEASURES

General information NA

Inhalation If inhaled, provide fresh air, warmth and rest.

Skin contact Clean areas of skin affected with soap and plenty of water.

Eye contact In case of contact with eyes, rinse immediately with plenty of water until irritation subsides.

Ingestion Allow the patient to vomit on his own accord. Give copious water to drink and if necessary seek

medical advice.

Further information NA

5. FIRE FIGHTING MEASURES

General hazard THE PRODUCT IS NON-COMBUSTIBLE

Extinguishing mediaTo suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)

Extinguishing media not to

be used

NA

Special exposure hazards Decomposition products released in a fire, (e.g. oxides of carbon and nitrogen), should be

considered toxic if inhaled.

Protective equipment Wear self-contained breathing apparatus.

Further information Avoid run-off water entering the drains (e.g. use barriers).

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up Take up with absorbent material, e.g. sand, sawdust, into tightly closable containers. Label

container and dispose of as prescribed.

Environmental Do not allow to get into waste water or waterways; if this occurs, inform the relevant water

considerations authority at once.

Further information NA

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7. HANDLING AND STORAGE

Advice on safe handling Handle in accordance with good hygiene and safety practice.

Storage conditions Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.

Further information NA

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values OSHA Permissible Exposure Limit (PEL/TWA) Not established

ACGIH Threshold Limit Value (TLV) Not established Quebec Permissible Exposure Value (PEV) Not established Ontario Occupational Exposure Level (OEL) Not established Netherlands Maximaal Aanvaarde Concentratie (MAC) Not established Germany Not established Maximale Arbeitsplatzkonzentrationen (MAK) Workplace Exposure Limit (WEL) Not established United Kingdom

Engineering controls Ensure adequate ventilation of working area.

Personal protection Observe normal standards for handling chemicals.

Wash hands before breaks and after work.

Wear personal protective equipment appropriate to the task (see below).

Eye protection Safety goggles.

Skin protection Chemical resistant gloves.

Respiratory protection Respirator or air fed visor (if ventilation is insufficient).

Other personal protection Protective overalls.

Environmental exposure

controls

NA

Further Information Personal protective equipment (PPE) should be selected as appropriate to the nature and

aggressiveness of the identified hazard(s). PPE should be regularly inspected for such things as soundness against leaks, bad fitting and possible chemical penetration. Recommended safe user

periods should never be exceeded.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form Liquid

Color Colorless

Odor Mild

Molecular weightNot applicableMolecular formulaNot applicable

pH 7 - 9

Boiling pt / range 100° C (212°F) Melting pt / range 0° C (32°F)

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9. PHYSICAL & CHEMICAL PROPERTIES

General Flammability NON-COMBUSTIBLE

Flash point Not available **Auto-ignition temperature** Not available **Decomposition** Not available

temperature

Not available Relative Density **Explosive properties** Not available Oxidizing properties Not available Vapor pressure Not applicable Vapor Density Not available

Relative Evaporation Rate

(n-Butyl Acetate = 1)

Not applicable

Viscosity Not applicable

Water solubility Miscible

Partition coefficient (log P

or log K n-octanol / water)

Not available

Additional information VOC = 0

10. STABILITY & REACTIVITY

Stability Stable under normal conditions of handling.

Conditions to avoid Data not supplied.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

Data not supplied.

Further information NA

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD₅₀ rat (oral) 40,000mg/kg Data for product

Acute irritation/corrosivity Rabbit, skin **NON-IRRITANT**

> Rabbit, eye **NON-IRRITANT**

Sensitization No sensitizing effects known.

Repeated dose toxicity No data available.

CMR effects No classification data on carcinogenic properties of this product is available from NTP, IARC.

Further information Consideration should be given to section 15 of this safety data sheet, noting any identified hazards

for this product and route of entry whereby harm could be caused to body tissues and organs.

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12. ECOLOGICAL INFORMATION

Ecotoxicity LC₅₀ (rainbow trout) >1000mg/l/96H Data for alkoxylated diamine

> EC₅₀ (Daphnia magna) >100mg/l/48H Data for alkoxylated diamine

Mobility No data available.

Persistence and degradability

Not readily biodegradable (by OECD criteria)

Data for alkoxylated diamine

Bioaccumulative potential No data available.

Result of PBT assessment No data available.

Other adverse effects Do not allow to get into waste water or waterways; if this occurs, inform the relevant water

authority at once.

Consideration should be given to any environmental or health hazards indicated in section 2, and the physical properties indicated in section 9, of this safety data sheet, in the light of any possible

damage to wildlife or to the environment in land, water, air or upper atmosphere.

Water Hazard Class WGK = 0

13. DISPOSAL CONSIDERATIONS

Advice on disposal In accordance with national and local authority regulations.

Contaminated packaging Treat empty containers in the same way as the product or if possible wash out thoroughly and

recycle.

Not classified

European Waste

Catalogue Number Further information

NA

14. TRANSPORT INFORMATION

United Nations number The product is not classified for transport

Proper shipping name NA

Class NA

Subsidiary risk/s NA

Packing group NA

Marine pollutant The product is not a Marine Pollutant per IMDG

Emergency action code NA

Hazard Identification

Number

NA

Further information NA

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15. REGULATORY INFORMATION

Classification & labelling The product is categorized in accordance with the Classification, Labelling & Packaging

Regulation ((EC) No 1272/2008).

No Not classified under GHS

Symbol

Hazard statements NA NA

Precautionary statements NA NA

Federal Regulations (US) TSCA Section 8b – Inventory Status:

All chemicals comprising this product are either exempt or listed on the TSCA Inventory.

TSCA Section 12b – Export Notification:

The finished product contains the following chemicals subject to TSCA Section 12b export

notification.

Chemical CAS # None NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT)

Chemicals present in the product which could require reporting under the statute:

Chemical CAS # (RQ) Sec. 302 EDS

None NA (NA) No

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

Section 313

The finished product contains the following chemicals listed in this regulation:

Chemical

CAS # % Wt

None NA Section 311/312 HAZARD CATEGORIES

Fire Hazard: NA / Pressure Hazard: NA / Reactivity Hazard: NA / Other: Immediate Hazard: NA / Delayed Hazard: NA NA

State Regulations (US) California Proposition 65

This Droplet Stabilizer contains chemicals identified to exist in the finished product as distributed into commercial commerce that are known to the State of California to cause cancer, birth defects,

NA

or other reproductive harm.

Chemical CAS # % Wt
Proprietary NA <1-3 ppm

International Regulations

(Non-US)

Canadian Domestic Substance List (DSL)

All ingredients remaining in the finished product as distributed into commerce are exempt from, or

included on, the Domestic Substances List.

WHMIS Classifications

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Controlled Products

Regulations.

NPRI and Ontario Regulation 127/01

This product contains the following chemicals subject to the reporting requirements of Canada

NPRI +/or Ont. Reg. 127/01:

ChemicalCAS #% WtNoneNANA

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15. REGULATORY INFORMATION

European Inventory of Existing Commercial Chemical Substances (EINECS)

All ingredients remaining in the finished product as distributed into commerce are exempt from, or included on, the European Inventory of Existing Commercial Chemical Substances.

16. OTHER INFORMATION

General summary Safety Data Sheet based on information and data supplied by the manufacturer.

Further information This product may be regulated under additional regulations and laws not identified above, such as

for uses other than described or as-designed/as-intended by the manufacturer, or for distribution in specific domestic destinations. Distribution into Quebec to follow Canadian Controlled Product

Regulations (CPR) 24(1) and 24(2).

Key to Hazard Statements

in Section 3

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation

Sources of data Manufacturer's Safety Data Sheet.

European Chemicals Bureau (EINECS and ELINCS)

International Agency for Research on Cancer (1987), IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: Overall Evaluations of Carcinogenicity: An updating of IARC

Monographs Volumes 1-42, Supplement 7, Lyon, France.

Ontario Ministry of Labour Regulation 654/86. Regulations Respecting Exposure to Chemical or

Biological Agents.

RTECS - Registry of Toxic Effects of Chemical Substances, NIOSH - National Institute for

Occupational Safety and Health.

EU Classification (1999/45/EC)

Not Classified

Risk phrases

NA NA

Preparation Information

Date of issue	December 2, 2014	Supercedes	Prior Versions
Date of Translation from English		Translator	
LCN	50-01043		

DESCRIPTION ...

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16. OTHER INFORMATION

Disclaimer

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The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. In constructing this MSDS, RainDance has relied upon representations made by the original manufacturer of the components. RainDance MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTIABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the RainDance product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a RainDance product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the RainDance product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. RainDance provides this information in electronic form as a service to our customers. Due to the possibility that electronic transfer may have resulted in alterations to this information, including creating errors or omissions, RainDance makes no representations as to the completeness or accuracy of this information. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from RainDance. Copying and/or downloading of this information for the purpose of properly utilizing RainDance products is allowed provided that the information is copied in full with no changes unless prior written permission is obtained from an authorized representative of RainDance.

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