

Catalogue Number(s).: TR-600-P1; LipoFluor-P1[™] Ready-to-Dilute[™], Polar Lipid Tracing Reagent MANUFACTURER: Biosensis Pty. Ltd. 51 West Thebarton Road,

Thebarton, South Australia, 5031 Email sales@biosensis.com

www.biosensis.com Revision: January 2024

Hazardous Identification:

Dye solution: Mixture: 10 mM (OC-6-33)-tricarbonyl(1,10-phenanthroline-.kappa.N1,.kappa.N10)[4-(2H-tetrazol-5-yl-.kappa.N2

)benzonitrilato]-rhenium) in DMSO.

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(continued below)





SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1 Product Name: TR-600-P1

Synonyms: (OC-6-33)-tricarbonyl(1,10-phenanthroline-.kappa.N1,.kappa.N10)[4-(2H-tetrazol-5-yl-.kappa.N2)benzonitrilato]-rhenium

Chemical Name (OC-6-33)-tricarbonyl(1,10-phenanthroline-.kappa.N1,.kappa.N10)[4-(2H-tetrazol-5-yl-.kappa.N)benzonitrilato]-rhenium;

CAS No. 1369583-75-4

EC No.

Index No. Not available.

Not available.

REACH Registration No. Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) PC21 Laboratory chemicals, Research and development use only

1.3 Details of the supplier of the safety data sheet

MANUFACTURER: EMERGENCY TELEPHONE NUMBERS:

Biosensis Pty. Ltd. Telephone + 61 8 83527711; (800) 222-1222

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Emergency Phone # +44 (0) 20 3885 0382 (CHEMTREC)

Other Regions Emergency Phone Number (CHEMTREC)

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North America +1 703 527 3887

Central America +52 55 8526 4930

South America +55 11 4349 1359

Asia, India, and Oceania +65 3163 8374

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture: Mixture, 10 mM in DMSO

2.2 Label Elements:

GHS Signal Word: None

GHS Hazard Phrases:

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Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.

GHS Precaution Phrases:

No phrases apply.

GHS Response Phrases:

No phrases apply.

GHS Storage and Disposal Phrases:

Please refer to Section 7 for Storage and Section 13 for Disposal information.

2.3 Adverse Human Health Material may be irritating to the mucous membranes and upper respiratory tract.

Effects and Symptoms: May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)/

REACH Registration No. Concentration EC No./

EC Index No. GHS Classification

TR-600_P1, CAS No. 1369583-75-4 10 mM NA NA No data available.

Section 4. First Aid Measures

4.1 Description of First Aid Measures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

Get immediate medical attention.

In Case of Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.



Section 5. Fire Fighting Measures

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

Media: Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing A solid water stream may be inefficient.

Media:

5.2 Flammable Properties and No data available.

Hazards:

No data available.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressuredemand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6. Accidental Release Measures

6.1 Protective Precautions, Avoid breathing vapors and provide adequate ventilation.

Protective Equipment and As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator,

Emergency Procedures: and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

6.2 Environmental Take steps to avoid release into the environment, if safe to do so.

Precautions:

6.3 Methods and Material For Contain spill and collect, as appropriate.

Containment and CleaningTransfer to a chemical waste container for disposal in accordance with local regulations.

Up:

Section 7. Handling and Storage

7.1 Precautions To Be Taken Avoid breathing dust/fume/gas/mist/vapours/spray.

in Handling: Avoid prolonged or repeated exposure.

7.2 Precautions To Be Taken Keep container tightly closed.

in Storing: Store in accordance with information listed on the product insert.

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Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters

8.2 Exposure Controls:

8.2.1 Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne

(Ventilation etc.): levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses

Protective Gloves: Compatible chemical-resistant gloves

Other Protective Clothing:Lab coat

Respiratory Equipment NIOSH approved respirator, as conditions warrant.

(Specify Type):

Work/Hygienic/Maintenan Do not take internally.

ce Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.

Wash thoroughly after handling.

No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: [] Gas [] Liqu	uid [X] Solid
Appearance and Odor: A solid	ł
pH: No data.	
Melting Point: No data.	
Boiling Point: No data.	
Flash Pt: No data.	
Evaporation Rate: No data.	
Flammability (solid, gas): No da	ta available.
Explosive Limits: LEL: No data	UEL: No data.
Vapor Pressure (vs. Air or mm	No data.
Hg):	
Vapor Density (vs. Air = 1):	No data.
Specific Gravity (Water = 1):	No data.
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Solubility in Water:No data. Solubility Notes: Soluble (slightly) in: water; Octanol/Water Partition No data. Coefficient: Autoignition Pt: No data. Decomposition Temperature: No data. Viscosity: No data. 9.2 Other Information Percent Volatile: No data. Molecular Formula & Weight: C23H12N7O3Re 620.6 Section 10. Stability and Reactivity 10.1 Reactivity: No data available. 10.2 Stability: Unstable [1 Stable [X] 10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert. Will occur [Will not occur [X] Polymerization: 1 10.4 Conditions To Avoid: No data available. 10.5 Incompatibility - Materials acids To Avoid: oxidizing agents 10.6 carbon dioxide Decomposition or carbon monoxide Byproducts: Hazardous Section 11. Toxicological Information 11.1 Information on The toxicological effects of this product have not been thoroughly studied. **Toxicological Effects:** Carcinogenicity: IARC Monographs? No **OSHA Regulated? No** NTP? No 11.2.1 Endocrine disrupting properties None known. 11.2.2. Information on other hazards None known. CAS # Hazardous Components (Chemical Name) NTP IARC ACGIHOSHA 1369583-75-4 TR-600-P1 n.a. n.a. n.a. n.a.

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Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 Persistence and No data available.

Degradability:

12.3 Bioaccumulative No data available.

Potential:

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB No data available.

assessment:

12.6 Other adverse effects: No data available.

12.7 Endocrine disrupting properties Not known. Not known

12.8 Other adverse effects Not known. Not known

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

13.2 Additional Information

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class:

UN/NA Number:

14.2 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not dangerous goods.

UN Number:

Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods.

Additional Transport Transport in accordance with local, state, and federal regulations.

Information: none

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Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS # Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ S. 313 (TRI)

1369583-75-4 TR-600=P1 No No No

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

1369583-75-4 TR-600-P1 CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

Regulatory Information This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC)

Statement: No.1272/2008.

SECTION 16: OTHER INFORMATION

LEGEND

Acronyms ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity UN : United Nations

vPvB : very Persistent and very Bioaccumulative

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DMSO part

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers: TR-601-P1 buffer

Product name : Dimethyl sulfoxide

Product Number : D2438

Brand : Sigma

CAS-No. : 67-68-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the supplier of the safety data sheet
Company : Sigma-Aldrich Inc. 3050 SPRUCE ST
ST. LOUIS MO 63103 UNITED STATES
Telephone : +1 314 771-5765
Fax: +1 800 325-5052
1.4 Emergency telephone
Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24
Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4), H227

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram none

Signal Word Warning Hazard statement(s)

H227 Combustible liquid.

Precautionary statement(s)

P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.

P280 Wear protective gloves/ eye protection/ face protection.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403 + P235 Store in a well-ventilated place. Keep cool.



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

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

Rapidly absorbed through skin.

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : DMSO

Methyl sulfoxide

Formula : C2H6OS

Molecular weight : 78.13 g/mol

CAS-No. : 67-68-5

EC-No. : 200-664-3

Component Classification Concentration

dimethyl sulphoxide

Flam. Liq. 4; H227 <= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media

Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.



5.2 Special hazards arising from the substance or mixture

Carbon oxides Sulfur oxides Combustible.

Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Remove container from danger zone and cool with water. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities Storage conditions

Tightly closed.

Hygroscopic. Store under inert gas.

Storage class

Storage class (TRGS 510): 10: Combustible liquids

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7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Component CAS-No. Value Control parameters Basis

dimethyl sulphoxide 67-68-5 TWA 250 ppm USA. Workplace Environmental Exposure Levels (WEEL)

8.2 Exposure controls

Appropriate engineering controls

Change contaminated clothing. Wash hands after working with substance.

Personal protective equipment Eye/face protection

Use equipment for eye protection tested and approved under appropriate

government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact

Material: Chloroprene

Minimum layer thickness: 0.65 mm Break through time: 480 min Material tested:KCL 720 Camapren®

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please

contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Splash contact Material: Latex gloves

Minimum layer thickness: 0.6 mm Break through time: 240 min

Material tested:Lapren® (KCL 706 / Aldrich Z677558, Size M)

Respiratory protection

Recommended Filter type: Filter A (acc. to DIN 3181) for vapours of organic compounds

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

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These measures have to be properly documented.

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required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

- Do not let product enter drains.
- SECTION 9: Physical and chemical properties
- 9.1 Information on basic physical and chemical properties
- a) Appearance Form: clear, liquid Color: clear
- b) Odor odorless
- c) Odor Threshold No data available
- d) pH Not applicable
- e) Melting

point/freezing point

f) Initial boiling point and boiling range

Melting point/range: 16 - 19 °C (61 - 66 °F) - lit.

189 °C 372 °F - lit.

- g) Flash point 87 °C (189 °F) closed cup ASTM D 93
- h) Evaporation rate No data available
- i) Flammability (solid, gas)
- j) Upper/lower flammability or explosive limits No data available

Upper explosion limit: 28.5 %(V) Lower explosion limit: 2.6 %(V)

- k) Vapor pressure 0.55 hPa at 20 °C (68 °F)
- I) Vapor density 2.70 (Air = 1.0)
- m) Density 1.1 g/cm3 lit. Relative density No data available
- n) Water solubility completely miscible
- o) Partition coefficient: n-octanol/water
- p) Autoignition temperature
- q) Decomposition temperature



log Pow: -1.35 at 20 °C (68 °F) - Bioaccumulation is not expected.

300 - 302 °C (572 - 576 °F) at 1,013 hPa> 190 °C (> 374 °F) -

- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties none
- 9.2 Other safety information

Surface tension 43.5 mN/m at 20 °C (68 °F)

Dissociation constant 35.1

Relative vapor density 2.70 - (Air = 1.0)

SECTION 10: Stability and reactivity

10.1 Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

Risk of explosion with:

acetylidene organic halides perchlorates Acid chlorides

nonmetallic halides iron(III) compounds nitrates

fluorides chlorates hydrides perchloric acid

Oxides of phosphorus Nitric acid

silver compounds silicon compounds silanes

acid halides

Exothermic reaction with:

boron compounds

oxyhalogenic compounds Potassium, sodium

Strong oxidizing agents phosphorus halides strong reducing agents Acid chlorides

Strong acids silver salt nitrogen dioxide

Risk of ignition or formation of inflammable gases or vapours with: potassium permanganate

- 10.4 Conditions to avoid Exposure to moisture. Strong heating.
- 10.5 Incompatible materials No data available
- 10.6 Hazardous decomposition products In the event of fire: see section 5 FOR RESEARCH USE ONLY



SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity LD50 Oral - Rat - male and female - 28,300 mg/kg (OECD Test Guideline 401) LC0 Inhalation - Rat - male and female - 4 h - > 5.33 mg/l - dust/mist (OECD Test Guideline 403) LD50 Dermal - Rat - male and female - 40,000 mg/kg Remarks: (ECHA) Skin corrosion/irritation Skin - Rabbit Result: slight irritation - 4 h (OECD Test Guideline 404) Serious eye damage/eye irritation Eyes - Rabbit Result: slight irritation - 24 h (OECD Test Guideline 405) Respiratory or skin sensitization Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406) Local lymph node assay (LLNA) - Mouse **Result:** negative (OECD Test Guideline 429) Germ cell mutagenicity Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 **Result:** negative Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 479

Result: negative

Test Type: Mutagenicity (mammal cell test): chromosome aberration. Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473

Result: negative

Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)

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Species: Rat

Application Route: Intraperitoneal Method: OECD Test Guideline 474 Result: negative

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.

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

Repeated dose toxicity - Rat - male and female - Oral - 18 Months - NOAEL (No observed adverse effect level) - 3,300 mg/kg - LOAEL (Lowest observed adverse effect level) - 9,900 mg/kg

Repeated dose toxicity - Monkey - male and female - Dermal - 18 Months - NOAEL (No observed adverse effect level) - >= 8,910 mg/kg - LOAEL (Lowest observed adverse effect level) - 990 mg/kg

RTECS: PV6210000

Exposure to large amounts can cause:, redness of skin, Itching, burning, sedation, Headache, Nausea, Dizziness

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Eyes - Eye disease - Based on Human Evidence Eyes - Eye disease - Based on Human Evidence

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish static test LC50 - Danio rerio (zebra fish) - > 25,000 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

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static test EC50 - Daphnia magna (Water flea) - 24,600 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 17,000 mg/l - 72 h

(OECD Test Guideline 201)

Toxicity to bacteria EC50 - activated sludge - 10 - 100 mg/l - 30 min

(ISO 8192)

12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d

Result: 31 % - Not readily biodegradable. (OECD Test Guideline 301D)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Stability in water - 0.12 - 1.2 h at 30 °C pH 7

Remarks: Hydrolyzes readily.

SECTION 13: Disposal considerations

13.1 Waste treatment methods Product

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14: Transport information DOT (US)

NA-Number: 1993 Class: NONE Packing group: III

Proper shipping name: Combustible liquid, n.o.s. (dimethyl sulphoxide) Reportable Quantity (RQ):

Poison Inhalation Hazard: No

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information SARA 302 Components FOR RESEARCH USE ONLY Page



This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act. A REACH chemical safety assessment has not been carried out

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Acronyms ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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ICAO : International Civil Aviation Organization IMDG : International Maritime Dangerous Goods LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity UN : United Nations

vPvB : very Persistent and very Bioaccumulative

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