

Section 1 - Product and Company Identification

1.1 Product identifiers

Product name: c-di-UMP

Catalog code: tlrl-nacdu

CAS number: 73120-97-5

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

Identified use: Laboratory chemicals

Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

1.3 Details of the supplier of the safety data sheet

InvivoGen USA, 3950 Sorrento Valley Blvd, Suite 100

San Diego, California 92121, USA

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InvivoGen Europe, 5 rue Jean Rodier

31400 Toulouse, France

Company: +33 (0) 5 62 71 69 39

> InvivoGen Hong Kong, Unit 709A, Bio-Informatics Center 2 Science Park West Avenue, Hong Kong Science Park

Shatin, Hong Kong +852 3622 3480

1.4 Emergency telephone number: ORFILA (INRS): +33 (0)1 45 42 59 59

Section 2 – Hazards Identification

2.1 Classification of substance

Skin irritation (Category 2), H315 Specific target organ toxicity - single exposure (Category 3), H335

2.2 Label elements

Pictogram



Signal word Warning

Hazard statement

H315 Causes skin irritation.

H335 May cause respiratory irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P302 + P352IF ON SKIN: Wash with plenty of soap and water.

P304 + P341IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable

for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell. P501 Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards - none

Section 3 – Composition/Information on Ingredient

3.1 Substances

Synonyms: Cyclic di-uridine monophosphate sodium salt, c-di-UMP sodium salt

Formula: $C_{18}H_{20}N_4O_{16}P_2 \cdot 2Na$ Molecular weight: 656.3 g/mol CAS number: 73120-97-5

Section 4 – First Aid Measures

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: If breathed in, remove to fresh air. If not breathing, give artificial respiration. Consult a physician

In case of skin contact: Wash skin with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (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 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Specific hazards arising from the chemical

No data available

5.3 Special Firefighting Procedures

Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

For disposal see section 13.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C.

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/PPE

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

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).

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

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Section 9 – Physical/Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Physical state: Solid

Color: White

Safety Data

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available Evaporation rate: No data available Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available Relative density: No data available Solubility in water: 50 mg/ml

Partition coefficient: n-octanol/water: No data available

Autoignition temperature: No data available Decomposition temperature: No data available

Viscosity: No data available

9.2 Other safety information

no data available

Section 10 – Stability and Reactivity

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: No data available 10.5 Incompatible materials: No data available

10.6 Hazardous decomposition products: No data available

Section 11 – Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:

Oral LD50: No data available Inhalation LC50: No data available Dermal LD50: No data available

Other information on acute toxicity: No data available

Skin corrosion/irritation: No data available Serious eye damage/irritation: No data available Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available Carcinogenicity: No data available Reproductive toxicity: No data available Additional information: No data available





Section 12 – Ecological Information

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available 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

or not conducted.

12.6 Other adverse effects: No data available

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.

Contaminated Packaging: Dispose of as unused product.

Section 14 – Transport Information

14.1 UN number

ADR/RID: -DOT (US): -IMDG: -IATA: -

14.2 UN proper shipping name

not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -DOT (US): -IMDG: -IATA: -

14.4 Packaging group

ADR/RID: -IMDG: -IATA: -DOT (US): -

14.5 Environmental hazards

ADR/RID: no DOT (US): no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

Section 16 – Other Information

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This SDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

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