

Version 1.0 According to regulation EC 1272/2008

PLGA NANOPARTICLES – PLGA biodegradable/Bio absorbable Polymer

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1. Product Identifiers**

Product name : PLGA nanoparticles (PLGA-Polymer)
CAS No : 26780-50-7

2. Relevant identified uses of the substance or mixture and uses advised against

Reagent for use in laboratory, Manufacture of substances

3. Details of the supplier of the safety data sheet

Company : Nomisma Healthcare Private Limited
J-63, B.I.D.C Estate, Opp. Jyoti Switch Gear Pvt. Ltd.,
Gorwa, Vadodara, Gujarat - 390 0016, India
Phone : (+91) 97731 34699
Email : info@nomismahealthcare.com

4. Emergency telephone number

Emergency phone : (+91) 97731 34699,
(+91) 97731 34279

SECTION 2: Hazards identification**1. Classification of the substance or mixture****2. Classification according to Regulation (EC) No 1272/2008 (CLP)**

Not a dangerous substance or mixture

Classification according to EU Directives 67/548 / EEC or 1999/45 / EC

This substance is not classified as dangerous according to Directive 67/548 / EEC.

3. Other hazards

Any

SECTION 3: Composition/information on ingredients**1. Substances**

poly(D,L-lactide-co-glycolide) Polymer

SECTION 4: First aid measures**1. Description of first aid measures****General recommendations**

Get medical attention. Show this safety data sheet to the doctor.

If inhaled

Move person to fresh air. If not breathing, give artificial respiration and consult medical personnel.

In case of contact with skin

Wash off with soap and plenty of water. Wash clothing before reuse.

In case of contact with eyes

Flush the eye immediately with water. If irritation appears, seek medical advice.

If case of ingestion

Drink one to two glasses of water and seek medical advice. Never give anything by mouth to an unconscious person. Induce vomiting if large amounts are ingested.

2. Most important symptoms and effects, both acute and delayed

No data available

3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures**1. Extinguishing measures****Recommended extinguishing media**

Use water spray, alcohol resistant foam, dry powder or carbon dioxide.

2. Special hazards arising from the substance or mixture

Carbon oxides

3. Advice to firefighters

If necessary, wear self-contained breathing apparatus for fire fighting.

4. Other data

No data available

SECTION 6: Accidental release measures**1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Personal protective equipment, see section 8.

SECTION 7: Handling and storage

1. Precautions for safe handling

Avoid contact with the eyes and skin.

2. Conditions for safe storage, including any incompatibilities

Keep container tightly sealed to prevent contamination. Store at 4°C in a dry area. Avoid damaging or puncturing containers.

3. Specific end use

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

SECTION 8: Exposure controls/personal protection

1. Control parameters

Components with occupational exposure limits.

Does not contain substances with occupational exposure limit values.

2. Exposure controls

Appropriate technical controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after working day.

Personal Protection

Protection of eyes / face

Masks and safety glasses. Wear approved eye protection according to applicable governmental regulations, such as NIOSH (USA) or EN 166 (EU).

Skin protection

Handle with gloves.

Body Protection

Full protective clothing against chemicals the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific place of work.

Respiratory protection

Approved respirator.

SECTION 9: Physical and chemical properties

1. Information on basic physical and chemical properties

- a. Appearance Form: white powder
- b. Odor: no data available
- c. Odor threshold: no data available
- d. pH no data available
- e. Melting point: 250°C / 482°F
- f. Initial boiling point and boiling range: no data available
- g. Flash point: no data available
- h. Evaporation rate: no data available
- i. Flammability (solid, gas): no data available
- j. Upper / lower flammability or explosive limits: no data available
- k. Vapor pressure: no data available
- l. Vapor density: no data available
- m. Relative density: no data available
- n. Solubility in water: soluble in water
- o. Partition coefficient: n-octanol / water: no data available
- p. Autoignition temperature: no data available
- q. Decomposition temperature: no data available
- r. Viscosity: no data available
- s. Explosive properties: no data available
- t. Oxidizing properties no data available

2. Other information

No data available

SECTION 10: Stability and Reactivity

1. Reactivity

No data available

2. Chemical stability

Stable under normal conditions

3. Possibility of hazardous reactions

No data available

4. Conditions to avoid

No data available

5. Incompatible materials

No data available

6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information**1. Information on toxicological effects****Principle Routes of Exposure**

Eye contact. Skin contact. Inhalation. Ingestion.

Acute toxicity

No data available

Local effects

May cause eye/skin irritation. Product dust may be irritating to eyes, skin and respiratory system. Caused mild to moderate conjunctival irritation in eye irritation studies using rabbits. Caused very mild redness in dermal irritation studies using rabbits (slightly irritating). Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Long term toxicity

Did not cause skin allergic reactions in skin sensitization studies using guinea pigs.

Specific effects

May cause skin irritation and/or dermatitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. Burning produces irritant fumes.

Mutagenic effects

Not mutagenic in AMES Test.

Reproductive toxicity

No data is available on the product itself.

Carcinogenic effects

No data is available on the product itself.

Target organ effects

There were no target organ effects noted following ingestion or dermal exposure in animal studies.

Skin corrosion / irritation

LD50/dermal/rabbit > 2000 mg/kg

Ingestion

LD50/oral/rat > 5000 mg/kg.

SECTION 12: Ecological information

1. Toxicity

No data available

2. Persistence and degradability

No data available

3. Bioaccumulative potential

No data available

4. Mobility in soil

No data available

5. Results of PBT and vPvB assessment

This substance / mixture contains no components that are considered to be bioaccumulative and persistent toxic (PBT) or very bioaccumulative and very persistent (vPvB) at levels of 0.1% or higher.

6. Other adverse effects

No data available

SECTION 13: Disposal considerations 13.1 Waste treatment methods

All waste containers with the product should be properly labeled and stored separately from other facility waste. Dispose any residues according to the prescribed federal, state, and local guidelines.

SECTION 14: Transport Information

ADR/RID

Non-dangerous goods

IMDG

Non-dangerous goods

IATA

Non-dangerous goods

SECTION 15: Regulatory information

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

No data available

2. Chemical Safety Assessment

For this product, a chemical safety assessment has not been carried out.

SECTION 16: Other information

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