Unilong Industry Co., Ltd

Add: No.10 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China
Phone&Whatsapp: +86-18678775281 Website: www.china-polymer.com

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

product information

Chinese name: polylactic acid

English name: Polylactic acid

CB No.: CB91106584

CAS#: 26023-30-3

Chemical aliases: poly(D,L-lactic acid), poly(D,L-lactic acid)

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

Identified Uses: For R&D use only. Not intended for pharmaceutical, home or other use.

Suggested Prohibited Use: None provider information

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SECTION 2: HAZARDS OVERVIEW

emergency overview

Yellowish bead. If inhaled, remove victim to fresh air. , If not breathing, give artificial respiration. Wash with soap and plenty of water. As a precaution, flush eyes with water. Never give anything by mouth to an unconscious person. , Rinse mouth with water.

GHS Hazard Class

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

GHS label elements, including precautionary statements



Pictograms

Physical and Chemical Hazards

Currently available information, no physical or chemical hazards.

health hazard

Information currently available, no health hazard.

Environmental hazard

Currently available information, no environmental hazards.

other hazards

- none

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

substance

Chinese name: polylactic acid

Chemical aliases: poly(D,L-lactic acid), poly(D,L-lactic acid)

CAS: 26023-30-3

Molecular formula: (C3H4O2)n

SECTION 4: FIRST AID MEASURES

Description of necessary first aid measures

inhale

If inhaled, remove victim to fresh air. If not breathing, give artificial respiration.

skin contact

Wash with soap and plenty of water.

eye contact

As a precaution, flush eyes with water.

ingested

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and health effects

The most important known symptoms and effects are described on the label (see Section 2.2) and/or in Section 11

Instructions and directions for prompt medical attention and special handling required

no data available

Special Notes to Physicians

no data available

SECTION 5: FIRE-FIGHTING MEASURES

fire extinguishing medium

Fire extinguishing method and fire extinguishing agent

Extinguish with water fog, alcohol resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

carbon oxide

Precautions and protective measures for fire fighting

If necessary, wear self-contained breathing apparatus for firefighting operations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust generation. Avoid breathing vapour, mist or gas. For personal protection see Section 8.

Environmental Protection Measures
Do not allow product to enter drains.

Containment and removal methods of spilled chemicals and disposal materials used
Sweep and shovel away. Place in suitable closed container for disposal.
refer to other sections
See Section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Operation
Provide suitable exhaust ventilation where dust is formed. See Section 2.2 for precautionary measures.

Conditions for safe storage, including any incompatibilities
Store in a cool place. Keep container tightly closed and store in a dry and ventilated place.

Recommended storage temperature -20 ° C

Inflated operation and storage are sensitive to humidity

SECTION 8: Exposure controls/personal protection

Control parameters
Hazard components and occupational exposure limits
There are no known national exposure limits.
exposure control
appropriate technical controls
Normal industrial hygiene practice.

personal protective equipment
eye protection
Use equipment for eye protection tested and approved under official standards such as NIOSH (US) or EN 166 (EU).

skin protection
Wearing gloves Gloves must be inspected before use. Please remove the gloves with proper method (do not touch the outer surface of the glove), and avoid any skin contact with this product. After use, please dispose of the contaminated gloves carefully in accordance with relevant laws and regulations and effective laboratory regulations. Please wash and dry hands

The selected protective gloves must comply with the specifications given in Regulation (EU)

2016/425 and the EN 374 standard derived from it.
body protection

The choice of body protection depends on the type, concentration and amount of the hazardous substance, and on the specific workplace. , the type of protective equipment must be selected according to the concentration and quantity of the hazard in a particular workplace.

respiratory protection
Breathing protection is not required. For protection against dust damage, use a type N95 (US) or P1 (EN 143) dust mask. Respirators use respirators and parts that have been tested and passed government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls
Do not allow product to enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
a) Appearance and properties Shape: water drop Color: light yellow
b) Odor No data available
c) Odor threshold No data available
d) pH value No data available
e) Melting point/freezing point 262° C
f) No data on initial boiling point and boiling range
g) Flash point No data available
h) Evaporation rate No data available
i) Flammability (solid, gas) No data available
j) High/Low Flammability or Explosive Limits No data available
k) Vapor pressure No data available
l) Vapor density No data available
m) Density/relative density No data available
n) Water solubility No data available
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 No data available

SECTION 10: STABILITY AND REACTIVITY

stability

Stable under recommended storage conditions.

dangerous reaction

no data available

conditions to avoid

no data available

Incompatibilities

acid, alkali

hazardous decomposition products

In case of fire, it will decompose producing harmful substances. - Other decomposition products of carbon oxides - no data available

In case of fire: see section 5 for fire fighting measures.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

acute toxicity

no data available

skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

respiratory or skin allergies

no data available

germ cell mutagenicity

no data available

Carcinogenicity

IARC: None of the components in this product with a content greater than or equal to 0.1% are known or probable carcinogens identified by IARC.

reproductive toxicity

Specific target organ toxicity (single exposure)

no data available

Specific target organ toxicity (repeated exposure)

no data available

aspiration hazard
no data available
Additional information
Registration of Toxic Effects of Chemical Substances : No data available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity
no data available

Persistence and Degradability
no data available

bioaccumulation potential
no data available

mobility in soil
no data available

Outcome evaluation of PBT and vPvB
PBT/vPvB assessment not available as chemical safety assessment not required/conducted

Other adverse effects on the environment
no data available

SECTION 13: DISPOSAL CONSIDERATIONS

waste disposal method
product
Dispose of surplus and non-recyclable solution to a licensed company.

contaminated packaging
Dispose of as unused product.

SECTION 14: SHIPPING INFORMATION

UN number / UN number
European Road Dangerous Regulations / ADR/RID: - International Maritime Dangerous Regulations / IMDG: - International Air Dangerous Regulations / IATA-DGR: -

UN proper shipping name / UN proper shipping name
Dangerous Goods for European Land Transport : Non-Dangerous Goods

ADR/RID: Not Dangerous Goods IMDG : Not Dangerous Goods

IMDG: Not dangerous goods

Dangerous Regulations for International Air Transport: Non-Dangerous Goods

IATA-DGR: Not dangerous goods

14.3

Transport hazard class / Transport hazard class(es)

European Road Dangerous Regulations / ADR/RID: - International Maritime Dangerous Regulations / IMDG: - International Air Dangerous Regulations / IATA-DGR:

14.4

Package group / Packaging group

European Road Dangerous Regulations / ADR/RID: - International Maritime Dangerous Regulations / IMDG: - International Air Dangerous Regulations / IATA-DGR:

14.5

Environmental hazards / Environmental hazards

ADR/RID European Agency Responsible for Road Transport/International Maritime Dangerous Goods Code (IMDG) IMDG : No

European agency responsible for rail transport : No Ocean pollutants (yes/no) : No

Special precautions / Special precautions for user
Incompatible materials / Incompatible materials
acid, alkali

Other information / Further information
Not classified as dangerous according to transport regulations.

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SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/regulations applicable to the substance or mixture

Occupational Disease Prevention Law of the People's Republic of China

Occupational Hazard Factors Classification Catalog: Not listed

Regulations on the Safety Management of Hazardous Chemicals

Catalog of Hazardous Chemicals (2018): Not listed

Measures for Environmental Management Registration of Hazardous Chemicals

Catalog of Hazardous Chemicals for Key Environmental Management (2014): Not listed

Regulations on the Administration of Narcotic Drugs and Psychotropic Substances

Catalog of Narcotic Drugs (2013): not listed

Catalog of Psychotropic Drugs (2013): Not listed

Measures for the Environmental Management of New Chemical Substances

Inventory of Existing Chemical Substances in China: Not listed

other regulations

Please note that waste disposal should also comply with local regulations.