

Material Safety Data Sheet

Issue Date: 15th march, 2007

Product Number: PS-P-10

Product Name: Pullulan Standard

COMPANY DETAILS:

Company Name Putus Macromolecular Sci. &Tech. Ltd.
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Other Information The information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.
Users should make their own tests for their particular purpose.
We cannot accept any liability for any loss, damage or infringement arising from the use of the information or recommendations contained herein.

IDENTIFICATION:

Product Code PS-P-10
Product Name Pullulan Standard
Proper Shipping Name As above
Other Names None Listed
UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule Not Scheduled

PHYSICAL DATA:

Appearance White powder
Specific Gravity Not applicable
Solubility in Water Soluble.

OTHER PROPERTIES:

pH Value Neutral
Odour None
Form Powder
Stability Stable at room temperature for five or more years

INGREDIENTS:

Ingredients	Name	CAS	Proportion
pullulan			99%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute Swallowed	Ingestion of dust may irritate the gastro-intestinal tract.
Acute Eye	May irritate eye.
Acute Skin	Nil
Acute Inhaled	Dust is non-toxic
Chronic	Long term exposure to dusts can cause respiratory irritation.

FIRST AID

Swallowed	Never give anything by mouth to an unconscious person. Irrigate thoroughly with plenty of water until discomfort is relieved. Consult a physician for proper medical care.
Eye	Flush with water. If irritation occurs, obtain medical attention.
Skin	Remove to fresh air. If discomfort occurs, seek medical attention.
Inhaled	Drink plenty of water.

Advice to Doctor

Other Health Hazard Information

PRECAUTIONS FOR USE

Personal Protectio

Eye Protection	Safety glasses.
Glove Type	Rubber or vinyl gloves.
Clothing	Lab Coat or Overalls
Other Information	Avoid unnecessary breathing of dust. Handle in accordance with good occupational hygiene and safety practices.

Flammability non flammable

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Store in a cool dry place. Stable at room temperature for at least five years when stored dry.

Handling pullulan is a non toxic polysaccharide (carbohydrate compound) which is produced by the micro-organism *Pullularia pullulans*. When handling, a face mask should be worn to prevent inhalation of dust.

Proper Shipping Name None Allocated

Spills and Disposal

Spills and Disposal

Remove large spillages by vacuum with a high efficiency filter.
Flush remainder with plenty of water.

Disposal

Sanitation landfill or incineration in accordance with local, state and federal Regulations.

Fire/Explosion Hazard

Fire Fighting Procedure	No risks are involved.
Extinguishing Media	Water, Foam
Hazchem Code	None Allocated

OTHER INFORMATION

Risk Statement	May cause sensitization by inhalation.
Safety Statement	Do not breathe dust.
Hazard Category	Not Harmful.

CONTACT POINT**Contact**

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