vivantis

BIONEXUS
STATUS COMPANY

MATERIAL SAFETY DATA SHEET
VIVANTIS TECHNOLOGIES SDN BHD

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SECTION 1: CHEMICAL IDENTIFICATION

Catalogue Number: PC0921-1kg
Product Name: Polyethylene glycol 8000 (PEG 8000)

Intended Use:
For research use only. Not for use in diagnostic procedures.

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.
Polyethylene glycol	25322-68-3	-

Synonyms: Alkapol PEG-200; Alkapol PEG-300; Alkapol PEG-600; Alkapol PEG-6000; Alkapol PEG-8000; Carbowax; Carbowax PEG 3350; Alpha-hydro-omega-hydroxypoly (oxy-1,20ethanediyl); Jeffox; Jorchem 400ml; Lutrol; PEG 3350; Pluracol E-200; Pluracol E-300; Pluracol E-400; Pluracol E-600; Pluracol E-1500; Pluracol E-4000; Pluracol E-6000; Pluracol P-410; Pluracol P-710; Pluracol P-1010; Pluracol P-2010 series; Polyox; Poly(oxy-1,2-ethanediyl); Alpha-hydro-omega-hydroxy

SECTION 3: HAZARDS IDENTIFICATION

GHS Classification

No classified as a hazard

SECTION 4: FIRST-AID MEASURES

In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

In case of skin contact, wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

In case of inhalation, move to fresh air. If not breathing, give artificial respiration. Consult a physician afterwards.

In case of ingestion, rinse mouth with water and afterwards drink plenty of water. Consult a physician afterwards.

SECTION 5: FIRE FIGHTING MEASURES

Not flammable.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use dry chemical, carbon dioxide, regular foam or water spray.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH and full protective gear.

Hazardous decomposition products formed under fire conditions:	Carbon oxides
Flash point:	229˚C
Explosion data – sensitivity to mechanical impact:	Not sensitive.
Explosion data – sensitivity to static discharge:	Not sensitive.

SECTION 6: ACCIDENTAL RELEASE MEASURES

For personal protection, use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.
For environmental precautions, prevent leakage or spillage to environment if safe to do so.
For cleaning up, wipe up spilled material or moistened with water then removed. Wash spill site after material pickup is complete and ventilate area afterwards.

SECTION 7: HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practice.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible with strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection	Where exposure limits are exceeded, wear respiratory protection. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Positive pressure-supplied air respirators may be required for high airborne contamination concentrations.
Eye/face protection	Use safety glasses with side-shields
Skin and body protection	Wear protection clothing

Use engineering measures such as showers, eyewash stations and ventilation systems.
Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White
Physical state:	Waxy powder
Odor:	No information available
Odor threshold:	No information available
pH:	No data available
Melting point:	No data available
Boiling point:	No data available
Initial boiling point:	No information available
Freezing point:	No information available
Flash point:	229˚C
Decomposition temperature:	No information available
Auto-ignition temperature:	No data available
Upper flammability limits in air:	No data available
Lower flammability limits in air:	No data available
Explosive properties:	No information available
Oxidizing properties:	No information available
Water Solubility:	Water-soluble
Partition coefficient (n-octanol/water):	No data available
MMHG @ 37.8˚C:	No data available
Vapor density:	No information available
Evaporation rate:	No data available
Specific gravity:	No data available
Viscosity:	No information available

SECTION 10: STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Materials to avoid:	Strong oxidizing agents
Hazardous decomposition product:	Carbon oxides
Hazardous polymerization:	Do not occur
Condition to avoid:	None known based on information supplied

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50: Rat – 28g/kg
Dermal LD50: Rabbit – 20g/kg

Chronic toxicity

This product has no known effect on target organ based on information supplied.

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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

This product is harmful to aquatic organism.
EC50: Microtox – 100000mg/L – 15min

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose waste material in accordance with all federal, state and local environmental regulation.
Observe all federal, state and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

DOT

Not regulated.

IATA

Not regulated.

SECTION 15: REGULATORY INFORMATION

International inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

This product does not contain any substances regulated as hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act Amendments of 1990.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Not determined.

SECTION 16: OTHER INFORMATION

The information contained in this MSDS relates only to the material(s) designed and does not relate to use(s) in combination with any other material, process(es) and /or chemical reaction(s). Vivantis Technologies Sdn. Bhd. provides this information in good faith, from sources believed to be accurate; however, Vivantis assumes no liability for its accuracy or completeness, and thus shall not be held liable for any damage resulting from handling or from contact with the above product.

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