

1. Product and Company Identification

Material name	PEG
Revision date	03-30-2012
Version #	01
CAS #	Mixture
Product code	100064
Product use	Industrial use.
Synonym(s)	PEG-6000, Polyethylene glycol
Manufacturer/Supplier	NanoString Technologies 530 Fairview Avenue North Suite 2000 Seattle, WA 98109 safetycommittee@nanosting.com Contact Person: Safety Committee
Telephone number	206-378-6266
Emergency	Emergency telephone 206-378-6266

2. Hazards Identification

Physical state	Liquid.
Appearance	Clear liquid.
Emergency overview	Low hazard for usual industrial or commercial handling by trained personnel.
OSHA regulatory status	This product is not hazardous according to OSHA 29CFR 1910.1200.
Potential health effects	
Eyes	Direct contact with eyes may cause temporary irritation.
Skin	Prolonged contact may cause dryness of the skin.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	No harmful effects expected in amounts likely to be ingested by accident.
Potential environmental effects	The product is not expected to be hazardous to the environment.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention promptly if symptoms occur after washing.
Skin contact	Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Inhalation	Move to fresh air. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth. Get medical attention if any discomfort continues.
Notes to physician	Treat symptomatically.

5. Fire Fighting Measures

Flammable properties	No unusual fire or explosion hazards noted.
Extinguishing media	
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Fire fighting equipment/instructions	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Hazardous combustion products	Carbon oxides.

6. Accidental Release Measures

Personal precautions	Use Personal Protective Equipment recommended in Section 8 of the MSDS.
Environmental precautions	No specific precautions.
Methods for cleaning up	Wipe up with absorbent material (e.g. cloth, fleece).

7. Handling and Storage

Handling	Use personal protective equipment as required. Observe good industrial hygiene practices.
Storage	Keep in original container.

8. Exposure Controls / Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Engineering controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	
Eye / face protection	Risk of contact: Wear safety glasses with side shields (or goggles).
Skin protection	Wear protective gloves. Lab coat.
Respiratory protection	Not normally needed.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Clear liquid.
Color	Colorless.
Odor	Faint.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not applicable.
Flammability limits in air, lower, % by volume	Not applicable.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Solubility (water)	Soluble in water.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	None known.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

Possibility of hazardous reactions Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects Low hazard for usual industrial or commercial handling by trained personnel.
Local effects Prolonged contact may cause dryness of the skin.
Sensitization None known.
Chronic effects None known.
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Mutagenicity None known.
Reproductive effects None known.

12. Ecological Information

Ecotoxicity Not expected to be harmful to aquatic organisms.
Persistence and degradability No data available.
Bioaccumulation / Accumulation No data available.
Partition coefficient (n-octanol/water) Not available.
Mobility in environmental media The product is miscible with water. May spread in water systems.

13. Disposal Considerations

Waste from residues / unused products Dispose of in accordance with local regulations.
Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CRF 355, Appendix A) No

Section 311/312 (40 CFR 370) No
Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled
WHMIS status Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
Health: 0
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 0
Flammability: 0
Instability: 0

Disclaimer This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

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