1. Product and Company Identification

Material name: nCounter Hybridization Buffer
Revision date: 03-30-2012
Version #: 01
CAS #: Mixture
Product code: 100061
Product use: Industrial use.
Manufacturer/Supplier: NanoString Technologies
530 Fairview Avenue North Suite 2000 Seattle, WA 98109
safetycommittee@nanostring.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: WARNING!
Causes eye irritation.

OSHA regulatory status: This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Eyes: Causes eye 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.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>7 - 13</td>
</tr>
</tbody>
</table>

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: 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: None.
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.
11. Toxicological Information

Acute effects
Causes eye irritation.

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 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 - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)
No
Section 311/312 (40 CFR 370)
Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)
Not controlled

WHMIS status
Controlled

WHMIS classification
D2B - Other Toxic Effects-TOXIC

Inventory status

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

*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: 2
Flammability: 0
Physical hazard: 0

NFPA ratings
Health: 2
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.

Issue date
03-30-2012