Identification of Product:
Part # 900449  Affymetrix GeneChip® Expression 3'-Amplification Reagents, for IVT Labeling

Contact Information:
Distributor: Affymetrix, Inc. 3380 Central Expressway, Santa Clara, CA 95051  Tel: +1 408 731 5000
Manufacturer: Ambion, Inc. 2130 Woodward St., Austin, TX 78744 Tel: +800 888 8804
Emergency contact: CHEMTREC:  800 424 9300 in USA

Composition / Information
The components of this kit consist of either aqueous solutions containing buffers or enzymes containing glycerol, none of which are thought to present a health hazard. As yet, the chemical, physical and toxicological properties have not been thoroughly investigated. Prudent laboratory practices should be followed when using this material and general laboratory personal protective equipment should be worn.

This MSDS is written to apply to the glycerol contained in the enzymes included in the kit. None of the components are at a concentration that would render the reagents hazardous under the US Hazard Communication Standard, 20 CFR 1910.1200.

Hazards Identification
Physical State:  Viscous colorless liquid
Effects and Symptoms:
Inhalation:  May cause irritation
Skin Contact:  May cause irritation
Eye Contact:  May cause irritation
Chronic Exposure:  None known. Not thoroughly investigated
Aggravating Conditions: None known
Carcinogenicity:  Not listed by NTP, IARC or regulated by OSHA as carcinogens.

First Aid Measures
Inhalation:  If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult physician.
Eye or Skin Contact:  Flush eyes or wash contaminated area with water for 15 minutes. Seek medical consultation if irritation persists.
Ingestion:  Rinse out mouth immediately. Do not induce vomiting. Consult physician.

Fire Fighting Measures
Extinguishing media:  Water, Carbon dioxide, dry chemical or appropriate foam
Special Fire procedure:  Wear appropriate fire protection gear for surrounding fire.
Unusual fire / exp. hazards:  Contact with strong oxidizers may cause fire or explosion
Material Safety Data Sheet
Part #: 900449
MSDS #: 701575

Accidental release measures
If released or spilled: Absorb on inert material, collect for appropriate disposal. Do not flush to sewer.
Absorbent material: No restrictions

Handling and Storage
Handling: Special handling procedures are not needed
Storage: Store products at -20°C, non-frost-free freezer
There are no restrictions concerning storage with other products.

Exposure Controls / Personal Protection
Protective equipment: Use general laboratory protective equipment, lab safe gloves, general eye protection safety glasses or goggles
Hygiene: General lab practices. Keep away from food and beverages.
Ventilation: Local exhaust
Precautionary Labeling: None required

Physical and Chemical Properties
Appearance and Odor: Viscous colorless liquid
Boiling Point: N/A
Flash Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
pH: N/A
Solubility in Water: Soluble

Stability and Reactivity
Stability: Stable
Incompatibility: Strong oxidizing agents
Hazardous Decomp.: Burning may produce carbon monoxide and carbon dioxide
Hazardous Polymerization: Not expected to occur

Toxicological Information
As yet, the chemical, physical and toxicological properties have not been thoroughly investigated

Disposal Considerations
Observe all Federal, State and local regulations.

Transport Information
This product is not subject to current regulations for transportation of hazardous goods (US DOT)
UN No.: N/A

Regulatory
TSCA: May be used for research and development purposes in accordance with 40 CFR 720.36
SARA: N/A
CERCLA: N/A
Section 302: N/A
Other Information
For each kit, a MSDS sheet will be sent only on the first shipment, unless a substantial revision occurs. Additional copies are available from the Affymetrix, Inc. website at www.affymetrix.com. While the information provided in the MSDS is believed to be correct, this information is provided by Affymetrix without any warranty, express or implied, regarding its corrective uses. To the best of our knowledge the information provided is correct. However, the information should only be used as a guide and the final determination is the sole responsibility of the user as all materials may contain unknown hazards and should be used with caution. Affymetrix, Inc. shall not be held liable for any damages or losses resulting from use of the product(s).