



OriGene Technologies, Inc.
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Per OSHA 29CFR1910.1200, the European Union Directive 67/548/EC, and the Commonwealth of Australia [NOHSC:1005, 1008(1999)] the in the attached table are not considered hazardous and do not require separate Material Safety Data Sheet (MSDS). The physical, toxicological and chemical properties of these products may not, as yet, have been thoroughly investigated. These enzymes contained in these products contain up to 50% glycerol as a stabilizer and therefore this MSDS is written to apply to the glycerol component (CAS# 56-81-5)

SKUs:	NP100028, NP100029, NP100030, NP100031, NP100032, NP100033, NP100034, NP100035, NP100036, NP100037, NP100038, NP100039, NP100040, NP100041, NP100042
T4 DNA Ligase	(Catalog Numbers: 11610-020, 11610-100, 11610-101)
Rapid Ligation	(Catalog Numbers: 11620-030, 11620-150)
Taq Polymerase	(Catalog Numbers: 11630-004, 11630-020, 11630-040)
Uracil DNA Glycosylase	(Catalog Numbers: 11640-004, 11640-020)
MuLV reverse transcriptase	(Catalog Numbers: 11650-010, 11650-050)
First Strand cDNA Synthesis	(Catalog Numbers: 11801-025, 11801-050)

PHYSICAL DATA

Appearance and Odor	Viscous colorless solution
Solubility in H ₂ O	Soluble

FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media	Standard equipment for surrounding fire
Special Fire Fighting	Standard equipment for surrounding fire
Fire/Explosion Hazards	N/A

HEALTH HAZARD DATA

Effects of Overexposure	Upon ingestion, possible nausea or vomiting. No effect on exposure to skin.
Emergency First Aid	Wash Affected area with water, Notify physician if ingested fro treatment for nausea.

REACTIVITY DATA

Stability	Stable
Incompatibility	N/A
Hazardous Decomposition Products	N/A
Hazardous Polymerization	N/A

SPILL OR LEAK PROCEDURES

If released or spilled	Wash spill areas thoroughly
Waste Disposal Method	Dispose of according to state and federal regulations

SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not expected to require personal respirator usage
Ventilation	Not expected top require special ventilation
Precautionary labeling	None
Handling and Storage Conditions	Laboratory apron and gloves. No special storage required; store according to product

This notice is based on information that is believed to be reliable. OriGene recommends that standard laboratory safety practices are followed and lab coats, gloves and eye protection are worn when working with any biological or chemical materials. OriGene assumes no liability for damage resulting from use of these products.