

GENSCRIPT CORPORATION

Material Safety DATA Sheet

Date updated: 23/09/2008

Section 1-product and company information

Product name	Moloney Murine Leukemia Virus (M-MLV) Reverse Transcriptase (RNase H-)
Product Cat. No.	Z02040
Company	Genscript Corporation
Street address	120 Centennial Ave
City, State, Zip, Country	Piscataway, NJ 08854, USA
Technical phone:	732-885-9188 ext 124
Emergency phone	732-885-9188 ext 111
Fax:	732-210-0262

Section 2-Composition / information on ingredients

Substance/Preparation	Preparation
Dangerous components	Not available

Section 3- Hazards identification

Physical/chemical hazards	Harmful
Human health hazards	Harmful if swallowed. Irritating to eyes and skin.
NFPA ratings (scale 0–4)	Health Rating: 2 Reactivity Rating: 0 Contact Rating: 0

Section 4- First-aid measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Aggravating	Repeated or prolonged exposure is not known to aggravate medical condition.

conditions

Section 5- Fire-fighting measures

Flammability of the Product	May be combustible at high temperature.
Extinguishing Media	Foam, CO ₂ , Water, Dry chemical powder
Suitable	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Hazardous thermal (de)composition	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Special fire-fighting procedures	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Protection of fire-fighters	Be sure to use an approved/certified respirator or equivalent to prevent contact with skin and eyes.

Section 6- Accidental release measures

Personal precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.
Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container.

Section 7-Handling and storage

Handling	Avoid Inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Storage	Store at -20 °C. Avoid exposure to frequent temperature changes.
Recommended use	Use original container.

Section 8-Exposure controls/personal protection

Engineering measures	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Personal protective equipment	Skin and body: Lab coat. Eyes: Safety glasses. Protective Clothing (Pictograms):



Section 9- Physical and chemical properties

Physical state	Liquid
Color	No color.
Flash point	Not available.
Explosive properties	Not available.

Section 10- Stability and reactivity

Stability	The product is stable.
Conditions to avoid	Not available.
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Hazardous Polymerization	Will not occur

Section 11- Toxicological information

Skin irritation	Not available.
Acute toxicity	Not available.
Chronic toxicity	Repeated or prolonged exposure is not known to aggravate medical condition.
Other Toxic Effects on Humans	Not available.
Carcinogenic effects	Not available.
Mutagenic effects	Not available.
Reproduction toxicity	Not available.
Teratogenic effects	Not available.

Section 12- Ecological information

Eco-toxicity	Not available.
Toxicity of the Products of Biodegradation	Not available.

Section 13- Disposal considerations

Methods of disposal; Waste of residues;	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
---	--

Section 14- Transport information

Land - Road/Railway ADR/RID Class	Not controlled under ADR (Europe).
Sea IMDG Class	Not controlled under IMDG.
Air IATA-DGR Class	Not controlled under IATA.

Special Provisions for Transport

Not applicable.

Section 15- Regulatory information

EU Regulations	This product is not classified according to the EU regulations.
U.S. Federal Regulations	TSCA: No products were found. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
HCS Classification	Not controlled under the HCS (United States).
State Regulations	Not controlled under WHMIS (Canada).

Section 16- Other information

Disclaimer	For <i>In Vitro</i> research use only.
Warranty	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.
