

MATERIAL SAFETY DATA SHEET

MSDS Revision Date
02/2012

Recombinant Lentiviral Vector Particles
SH3001 & SH4001

SECTION I

Hazardous Ingredients

None

SECTION II

Physical Data

Liquid or frozen particle suspensions

SECTION III

Health Hazards

Replication-defective lentiviral vectors are not known to cause any diseases in humans or animals. However, lentiviruses can integrate into the host cell genome and thus pose some risk of insertional mutagenesis.

SECTION IV

Fire and Explosion

None

SECTION V

Reactivity

Not chemically reactive. Will enter permissive mammalian cells and interact or react with cellular components.

SECTION VI

Method of Disposal

Spill: Contain spill and decontaminate the area using a disinfectant such as chlorine bleach (10% f.c.), Wescodyne, or detergent-based disinfectant.

Waste Disposal: Dispose of viral stocks by autoclaving at 121 °C for 30-45 minutes

Dispose of infected liquid cultures by decontamination with chlorine bleach (10% f.c.) for 10 minutes and then dispose of in sink.

Dispose of infected animal carcasses or tissues by incineration

Follow all Federal, State, and Local regulations.

SECTION VII

Special Protective Information

Handle as biohazardous material under Biosafety Level 2 containment

SECTION VIII

Special Precautions or Comments

ATCGbio Life Technology Inc. recommends that all recombinant Lentiviral vector particles and cultures be handled by qualified microbiologists using appropriate safety procedures and precautions. Upon accidental exposure to Lentiviral vectors, seroconversion towards HIV-1 viral proteins could result and health provider should be contacted. Detailed discussions of laboratory safety procedures are provided in **Laboratory Safety: Principles and Practice** (Fleming et al., ASM Press, Washington D.C., 1995), and in the U.S. Government Publication, **Biosafety in Microbiological and Biomedical Laboratories** ([*CDC Biosafety in Microbiological and Biomedical Laboratories, 5th edition, the NIH Guidelines for Research Involving Recombinant DNA Molecules, latest edition.*](#)). This and other publications are available at the Centers for Disease Control Office of Health and Safety's website at <http://www.cdc.gov/biosafety/>

Information on the classification of human etiologic agents on the basis of hazard can be found as Appendix B in the NIH **Guidelines for Research Involving Recombinant DAN Molecules** at http://oba.od.nih.gov/rdna/nih_guidelines_oba.html

SECTION VIII – OTHER INFORMATION

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

The above information is accurate to the best of our knowledge. All materials and mixtures may present unknown hazards and should be used with caution. The user should exercise independent judgment as to the hazards based on all sources of information available. ATCGbio Life Technology Inc. shall not be held liable for any damage resulting from the handling or use of the above product.