

MATERIAL SAFETY DATA SHEET

MSDS Revision Date
02/2012

Lentiviral Vector Plasmids
LT2002, LT2003, SH1001 & SH2002

1. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Form

Liquid

Principle Routes of Exposure/ Potential Health effects

Eyes No information available

Skin No information available

Inhalation No information available

Ingestion No information available

Specific effects

Carcinogenic effects No information available

Mutagenic effects No information available

Reproductive toxicity No information available

Sensitization No information available

Target Organ Effects

HMIS

Health: 0

Flammability: 0

Reactivity: 0

3. FIRST AID MEASURES

Skin contact Wash off immediately with plenty of water

Eye contact Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion Never give anything by mouth to an unconscious person

Inhalation Move to fresh air

Notes to physician Treat symptomatically.

4. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical

Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

5. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment

Methods for cleaning up Soak up with inert absorbent material.

6. HANDLING AND STORAGE

Handling No special handling advice required

Storage Keep in properly labelled containers

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

Engineering measures Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment

Hand protection Protective gloves

Eye protection Safety glasses with side-shields

Skin and body protection Lightweight protective clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls Prevent product from entering drains.

8. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form Liquid

Important Health Safety and Environmental Information

Boiling point/range °C No data available °F No data available

Melting point/range °C No data available °F No data available

Flash point °C No data available °F No data available

Autoignition temperature °C No data available °F No data available

Oxidizing properties No information available

Water solubility No data available

9. STABILITY AND REACTIVITY

Stability Stable.

Materials to avoid No information available

Hazardous decomposition products

No information available

Polymerization Hazardous polymerisation does not occur.

10. TOXICOLOGICAL INFORMATION

Acute toxicity

Principle Routes of Exposure/Potential Health effects

Eyes No information available

Skin No information available

Inhalation No information available

Ingestion No information available

Specific effects

Carcinogenic effects No information available

Mutagenic effects No information available

Reproductive toxicity No information available

Sensitization No information available

Target Organ Effects No information available

11. ECOLOGICAL INFORMATION

Ecotoxicity effects No information available.

Mobility No information available.

Biodegradation Inherently biodegradable.

Bioaccumulation Does not bioaccumulate.

12. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

13. TRANSPORT INFORMATION

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations

Hazard Class No information available

Subsidiary Class No information available

Packing group No information available

UN-No No information available

14. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

SARA 313 This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

15. 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.