

## MSDS – Information Cover Sheet

Product Name: GTI-2040 Injection

MSDS Number: N/A

MSDS Issue Date: April 2003

WHMIS Label Colour:

Symbas Group: N/A

Hazardous Disposal (Y/N): N

WHMIS Classifications: N/A

Health Codes: N/A

**LORUS**  
Therapeutics Inc.

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Issued by QA

*CLC, 11 Nov. 2003*

# Material Safety Data Sheet

PRODUCT IDENTIFICATION	
<b>Name: GTI-2040 Injection</b>	
<b>Synonym: N/A</b>	
<b>Catalogue no: N/A</b>	
<b>Appearance: Pale yellow clear liquid essentially free of foreign particles</b>	
<b>Manufacturer: Lorus Therapeutics Inc.</b>	
<b>Address: 2 Meridian Road</b>	
<b>Toronto, Ontario M9W 4Z7</b>	
<b>Phone no: 416-798-1200</b>	

COMPOSITION	
Trade Name	Chemical Name
GTI-2040 Injection	Phosphorotiate Oligonucleotide

MATERIAL HAZARDS (Y/N)	
<b>Flammable</b>	<b>N</b>
<b>Corrosive</b>	<b>N</b>
<b>Toxic</b>	<b>N</b>
<b>Carcinogen</b>	<b>N</b>
<b>Compressed Gas</b>	<b>N</b>
<b>Irritant</b>	<b>N</b>
<b>Oxidizing</b>	<b>N</b>
<b>Biohazard</b>	<b>N</b>
<b>Corrosive</b>	<b>N</b>
<b>Reactive</b>	<b>N</b>

**FIRST-AID MEASURES**

In case of contact, immediately flush and wash eyes with copious amounts of water for at least 15 minutes

In case of contact, immediately wash skin with soap and copious amounts of water

Wash contaminated clothing before reuse

**FIRE FIGHTING MEASURES**

Carbon dioxide, dry chemical powder, or appropriate foam

**ACCIDENTAL RELEASE MEASURES****Personal precautions**

Wear chemical safety goggles, rubber boots and chemical safety gloves

**Environmental precautions**

Ventilate area and wash spill site after material pick up is complete

**Cleanup methods**

Absorb on sand or vermiculite and place in closed containers for disposal. Wash spill site after material pick up is complete

**HANDLING AND STORAGE****Handling**

Do not get in eyes, on skin, on clothing

**Storage**

Store at -10° C to -40° C

**Packaging Materials**

Keep it tightly closed

**DISPOSAL INFORMATION**

Cautiously add to a large stirred excess of water, adjust the pH to neutral, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the aqueous solution down the drain with plenty of water. Observe all applicable environmental regulations

<b>TOXICOLOGY INFORMATION</b>	
<b>Oral Toxicity</b>	May be harmful by drinking
<b>Skin Irritation</b>	May cause skin irritation
<b>Eye Irritation</b>	May cause eye irritation
<b>Respiratory Irritation</b>	My be harmful by inhalation
<b>Mutagenicity</b>	N/A
<b>Acute Toxicity</b>	An acute toxicity study in Rhesus monkeys demonstrated that intravenous infusion of GTI-2040 for 24 hours at doses up to 80mg/kg/day (984 mg/m <sup>2</sup> /day) was well tolerated. There were no deaths during the study, and no treatment related clinical signs or changes in body weight, blood pressure, heart rate, serum biochemistry or haematology parameters were observed at any dose.
<b>Chronic Toxicity</b>	N/A

<b>OTHER INFORMATION</b>	
A number of phase I and II clinical studies have been conducted in the USA. These studies have demonstrated that GTI-2040 was well tolerated with no apparent toxic effects.	