



# SAFETY DATA SHEET

## 1. Product and company identification

Product name	Big Twin Transmission Oil
Product code	96900
SDS number	6973
	Bel-Ray Company, LLC GPO Box 2650 Sydney, NSW 1171 PO Box 526 Farmingdale N.J. 07727 1 732-938-2421 CHEMTREC: 1800 069 100 (AUS)
	Bel-Ray Company, LLC P.O. Box 526 Farmingdale, NJ 07727 United States of America +1 732 938 2421 CHEMTREC: 800-424-9300 (USA) CHEMTREC: +1 703-527-3887 (outside USA - call collect)

## Recommended use and Limitations on use

Recommended use	GL-5 Gear Oil
-----------------	---------------

## 2. Hazards identification

### GHS classification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.

### Label elements

Symbols	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.

### Precautionary statement

Prevention	Keep out of reach of children. Read label before use.
Response	If medical advice is needed, have product container or label at hand.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Supplemental information	None.
--------------------------	-------

## 3. Composition/information on ingredients

Substance or mixture	Mixture
----------------------	---------

The components are not hazardous or are below required disclosure limits.

## 4. First aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting. Get medical attention if symptoms occur. Never give liquid to an unconscious person.
Potential delayed effects	Irritation of eyes and mucous membranes. Skin irritation.
Personal protection for first-aid responders	Not available.
Notes to physician	Treat symptomatically.

## 5. Fire-fighting measures

<b>Extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Extinguishing media to avoid</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>HAZCHEM Code Number</b>	None.
<b>Specific hazards during fire fighting</b>	During fire, gases hazardous to health may be formed.
<b>Special fire fighting procedures</b>	Not available.
<b>Protection of fire-fighters</b>	Wear suitable protective equipment. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Hazards from combustion products</b>	Carbon monoxide and carbon dioxide.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. For personal protection, see section 8.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Spill cleanup methods</b>	<p>This product is miscible in water.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

## 7. Handling and storage

<b>Handling</b>	
<b>Precautions</b>	Use personal protection recommended in Section 8 of the SDS.
<b>Safe handling advice</b>	Observe good industrial hygiene practices.
<b>Prevention of fire and explosion</b>	No specific recommendations.
<b>Local and general ventilation</b>	Provide adequate ventilation.
<b>Storage</b>	
<b>Suitable storage conditions</b>	Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).
<b>Incompatible materials</b>	Strong oxidising agents. For further information, please refer to section 10.
<b>Safe packaging materials</b>	Store in original tightly closed container.

## 8. Exposure controls/personal protection

<b>Exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Skin protection</b>	Wear suitable protective clothing.
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Radioactive or thermal hazards</b>	Follow standard monitoring procedures.

## Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

Appearance	Oily. Liquid.
Physical state	Liquid.
Form	Liquid.
Colour	Red.
Odour	Petroleum
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	343 °C (649.4 °F)
Flash point	232.0 °C (449.6 °F) Pensky-Martens Closed Cup
Auto-ignition temperature	Not available.
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Density	905.00 kg/m <sup>3</sup>
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Negligible
Solubility (other)	Oil
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	418 cSt ASTM D445
Kinematic viscosity temp	40 °C (104 °F)
Other data	
Flash point class	Combustible IIIB
Specific gravity	0.91
VOC	< 1 %

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide. No hazardous decomposition products are known.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

## 11. Toxicological information

### Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
-----------	--

<b>Inhalation</b>	No adverse effects due to inhalation are expected.	
<b>Skin contact</b>	No adverse effects due to skin contact are expected.	
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.	
Product	Species	Test results
Big Twin Transmission Oil		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	2094 mg/kg estimated
<b>Oral</b>		
LD50	Rat	2094 mg/kg estimated
* Estimates for product may be based on additional component data not shown.		
<b>Routes of exposure</b>	Inhalation. Eye contact.	
<b>Symptoms</b>	Irritation of eyes and mucous membranes. Skin irritation.	
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.	
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.	
<b>Respiratory sensitiser</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitiser</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.	
<b>Toxic to reproduction</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Not available.	
<b>Relevant negative data</b>	Not available.	

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulation</b>	No data available.
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>Mobility</b>	This product is miscible in water.
<b>Other hazardous effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## 14. Transport information

<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established.

## 15. Regulatory information

### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no) *
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**References** Not available.

**Issued by**  
Not available.

**Prepared by**  
Not available.

**Disclaimer** Bel-Ray Company, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issue date** 11-January-2012

**Revision date** 28-May-2016

**Revision information** This document has undergone significant changes and should be reviewed in its entirety.