

# SAFETY DATA SHEET

SDS No.1003-0017

Date

March 15, 2016

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## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : AERO TD TUBE(T-DEX.ATD) TENAX GR  
NAME OF MANUFACTURER : GL Sciences Inc.  
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CHARGE SECTION : International Sales Section  
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PRODUCT No. : 1003-74201, 1003-74202  
SDS No. : 1003-0017  
Research use only.

## 2. HAZARDS IDENTIFICATION

This product consists of packing materials, packed in a glass tube with silica quartz wool.  
We show some data about packing materials for the information supplement below.

《Poly(2,6-diphenyl1,4-phenyleneoxide)》

《Silica quartz wool》

《Graphite carbon》

GHS CLASSIFICATION : Classification not possible

HAZARD SYMBOL : - - -

HAZARD STATEMENTS : - - -

PRECAUTIONARY STATEMENTS

: - - -

HAZARD INFORMATION : May cause respiratory tract irritation if inhaled.

May cause eye, skin and mucous irritations if contact with.

May be harmful if ingested.

May induce damage to the lung through prolonged or repeated exposure.

MOST IMPORTANT HAZARDS : Irritation of eyes, skin, respiratory system.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CONTENT	CHEMICAL FOMULA	CAS No.	TSCA INVENTORY	EINECS No.	EC INDEX No.
Poly(2,6-diphenyl 1,4-phenyleneoxide)	70 - 80 %	$(C_6H_5)_2C_6H_3O-[(C_6H_5)_2C_6H_2O-]_n(C_6H_5)_2C_6H_2OH$	24938-68-9	Not listed	Not listed	Not listed
Graphite carbon	20 - 30 %	C	7440-44-0	Listed	231-153-3	Not listed
Silica quartz wool *	-	SiO <sub>2</sub>	14808-60-7	Listed	238-878-4	Not listed

\*: Silica quartz wool (amorphous) without binder, based on discontinuous filaments (fiber length > 1cm at packing stage).

## 4. FIRST AID MEASURES

GENERAL ADVICE : Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

NHALATION : Move victim to fresh air. If breathing is difficult, give oxygen.  
Consult a physician immediately.

SKIN CONTACT : Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. Consult a physician immediately.

EYE CONTACT : Remove any contact lenses at once. Flush eyes well with flooding large amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. Consult a physician immediately.

INGESTION : Rinse mouth, give plenty of water to dilute the substance. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician immediately.

5. FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- FIRE & EXPLOSION HAZARDS : Toxic, irritating, dust or smoke may be emitted.
- SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS : Fireman should wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS : Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.
- ENVIRONMENTAL PRECAUTIONS : Prevent spills from entering sewers, watercourses or low areas.
- METHODS FOR CLEANING UP : Do not touch spilled material without suitable protection. Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). Then, wash the spill site with soap and water and ventilate the area. Pull all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose contaminated clothing.

7. HANDLING AND STORAGE

- HANDLING : Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.
- STORAGE : Store away from sunlight in well-ventilated dry place at room temperature. Keep container tightly closed.
- INCOMPATIBLE PRODUCTS : Moisture, oxidizers and strong acids

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- ENGINEERING MEASURES : Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.
- VENTILATION : Local Exhaust ; Necessary, Mechanical(General) ; Recommended
- PERSONAL PROTECTION
  - RESPIRATORY PROTECTION : Half or full face piece respirator, self-contained breathing apparatus, supplied air respirator, etc. Use respirators approved under appropriate government standards and follow all regulations.
  - HAND PROTECTION : Chemical resistant gloves
  - EYE PROTECTION : Safety glasses(goggles)
  - SKIN PROTECTION : Protective clothing
- CONTROL PARAMETERS
  - OSHA PEL : TWA 20mppcf (80mg/m<sup>3</sup>/% SiO<sub>2</sub>) (Silica wool)
  - NIOSH REL : TWA 6mg/m<sup>3</sup>
  - ACGIH : 0.05mg/m<sup>3</sup>

9. PHYSICAL AND CHEMICAL PROPERTIES

- SHAPE : Powder
- COLOR : Gray
- ODOR : No data available
- pH : No data available
- BOILING POINT : No data available
- MELTING POINT : 460 degrees
- FLASH POINT : No data available
- FLAMMABILITY : No data available
- AUTOIGNITION TEMPERATURE : No data available
- VAPOR PRESSURE : No data available
- RELATIVE DENSITY : 0.4 g/cm<sup>3</sup>
- SOLUBILITY IN
  - Water : insoluble
  - Organic solvent : No data available-
- DECOMPOSITION TEMPERATURE : No data available

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**10. STABILITY AND REACTIVITY**

REACTIVITY	: No data available
CHEMICAL STABILITY	: No data available
CONDITION TO AVOID	: Sunlight, heat, moisture, diffusion of particulates
INCOMPATIBLE MATERIALS	: Strong oxidizers, strong acids
HAZARDOUS DECOMPOSITION PRODUCTS	
	: CO, CO <sub>2</sub> , silicone compounds

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**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY	: No data available
SKIN CORROSION/IRRITATION	: No data available
EYE DAMAGE/EYE IRRITATION	: No data available
GERM CELL MUTAGENICITY	: No data available
TOXIC TO REPRODUCTION	: No data available
CARCINOGENICITY	: Silica wool - IARC - Group 3: Not classifiable as to its carcinogenicity to humans
POTENTIAL HEALTH EFFECTS	
Inhalation	: May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	: May be harmful if swallowed.
Skin	: May be harmful if absorbed through skin. May cause skin irritation.
Eyes	: May cause eye irritation.
ADDITIONAL INFORMATION	: No data available

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**12. ECOLOGICAL INFORMATION**

ECOTOXICITY	: No data available
BIODEGRADABILITY	: No data available
BIOACCUMULATION POTENTIAL	
	: No data available
MOBILITY IN SOIL	: No data available
OTHER ADVERSE EFFECTS	: Not listed in Montreal Protocol list.

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**13. DISPOSAL INFORMATION**

Dispose in a hazardous-waste site in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environment agency for specific rules).

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**14. TRANSPORT INFORMATION**

IATA	: Not dangerous goods
ADR/RID	: Not dangerous goods
DOT(Department of Transportation)	
	: Not dangerous goods
MARINE POLLUTANT	: Not classified

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**15. REGULATORY INFORMATION**

US REGULATIONS	: Labeling according to EC Directives; See section 2
EU REGULATIONS	: Labeling according to EC Directives; See section 2

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**16. OTHER INFORMATION****NOTICE:**

The information contained in the SDS description is applicable exclusively to the chemical substance identified herein and for its intended use as an analytical reference standard or reagent and to the unit quantity intended for that purpose. The information does not relate to, and may not be appropriate for, any application or larger quantity of the substance described. Our products are intended for the use by individuals possessing sufficient technical skill and qualification on use the material potential hazardous chemical. Accordingly, no representation or warranty, express or implied, with respect to merchantability and fitness for a particular purpose is made with respect to the information contained herein.

**Attention:**

This product in terms of chemical identity and the unit amount provide is intended for use in chemical analysis and not for human consumption, nor any other purpose.