

Safety Data Sheet

according to WHS Regulations

Printing date 25.11.2021

Revision: 25.11.2021

1 Identification

Product Name: PLA Filament**Other Means of Identification:** Mixture**Part Number:**

TL4454, TL4455, TL4456, TL4457, TL4458, TL4459, TL4460, TL4461, TL4462, TL4463, TL4464, TL4481

Recommended Use of the Chemical and Restriction on Use: 3D Printer filament.**Details of Manufacturer or Importer:**Electus Distribution
320 Victoria Road
Rydalmere, NSW 2116
Australia**Phone Number:** 02 8832 3200**Emergency telephone number:** National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Serious Eye Damage/Irritation 2 H319 Causes serious eye irritation.

Signal Word Warning**Hazard Statements**

H319 Causes serious eye irritation.

Precautionary Statements

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 95-96-5	Dilactide	5%
	⚠ Serious Eye Damage/Irritation 2, H319	
CAS: 4511-42-6	(3S-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione	5%
	⚠ Serious Eye Damage/Irritation 2, H319	

Additional information:

This product contains hazardous ingredients, but any potential hazards will not be presented under normal conditions and use.

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4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Give a glass of water. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation.

5 Fire Fighting Measures

Suitable Extinguishing Media: Foam, dry chemical powder, and carbon dioxide.

Specific Hazards Arising from the Chemical:

No hazardous decomposition products known.

Product will burn in a fire but propagates flames with difficulties. If finely divided product is suspended in air or some other oxidising medium may form explosive dust-air mixtures and result in a fire or dust explosion (including secondary explosions).

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting measures entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate protective equipment. Evacuate all non-essential personnel from affected area. Do not breathe dusts. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and collect spilled material, avoiding the generation of dust. Use only non-sparking tools.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always

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wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container or a polyethylene or polypropylene container, tightly closed when not in use. Keep away from foodstuffs. Keep away from oxidising agents.

8 Exposure Controls and Personal Protection**Exposure Standards:**

Nuisance dust:

TWA - 10 mg/m³ (inspirable dust)**Engineering Controls:**

Ensure adequate ventilation of the working area, keeping airborne concentrations of dust below occupational exposure standards.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

Skin Protection:

Chemical resistant gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing and materials such as overalls, a PVC apron, and barrier cream (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Safety glasses with side shields or chemical goggles. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties**Appearance:**

Form:	Solid
Colour:	No information available
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	1.25 g/cm ³
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble

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Partition Coefficient (n-octanol/water): No information available**Viscosity:** No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.**Conditions to Avoid:** No further relevant information available.**Incompatible Materials:** Oxidising agents.**Hazardous Decomposition Products:** No hazardous decomposition products known.

11 Toxicological Information

Toxicity:**Acute Health Effects****Inhalation:** May cause mild respiratory irritation.**Skin:** May cause mild skin irritation.**Eye:** Causes serious eye irritation.**Ingestion:** May cause gastrointestinal irritation.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 Ecological Information

Ecotoxicity:

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.

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

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13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

CAS: 9051-89-2 | Polylactide resin

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 05.10.2021

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Serious Eye Damage/Irritation 2: Serious eye damage/eye irritation – Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”

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