

# MATERIAL SAFETY DATA SHEET

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## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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Manufacturer/Distributor : Kobo Products, Inc.  
Address : 690 Montrose Avenue  
So. Plainfield, NJ 07080  
Emergency Telephone # : (908) 757-0033  
Facsimile Number : (908) 757-0905  
Trade Name : **Nylon 10-I2**  
Chemical Name/ Synonyms : Azacyclotridecan-2-one, homopolymer (and) Isopropyl Titanium Triisostearate  
INCI Name : Nylon 12 (and) Isopropyl Titanium Triisostearate

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	CAS #	EINECS #
Azacyclotridecan-2-one, homopolymer	025038-74-8	polymer
Isopropyl Titanium Triisostearate	61417-49-0	262-774-8

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## SECTION 3: HAZARD IDENTIFICATION

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Dust maybe irritating to respiratory tract. Dust may form explosive mixture with air.

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## SECTION 4: FIRST AID MEASURES

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### Effects and Symptoms:

Effects of Overexposure : May cause mechanical irritation to eyes.  
Medical Conditions Aggravated by Exposure : Persons with respiratory conditions may be at increased risk.  
Primary Route(s) of Entry : Skin and eye contact.

### Emergency First Aid:

Eye Contact : Flush eyes with water for at least 15 min. See physician if irritation persists.  
Skin Contact : Flush skin with water.  
Inhalation : Remove to fresh air. If breathing is difficult give oxygen. See physician.  
Ingestion : None needed for small amounts. For large amounts, if conscious, give water and call physician. Do not induce vomiting.

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## SECTION 5: FIRE FIGHTING MEASURES

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Flash Point (Closed Cup) : N/A  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Water, Dry Chemical, Foam, CO2  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.  
Autoignition temperature : N/A

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Collect material and place in a disposal container. Fine particles can cause a fire or explosion, eliminate all ignition sources. Obey relevant local, state, provisional and federal laws and regulations. Do not contaminate any lake, stream, ponds, groundwater or soil.

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## SECTION 7: HANDLING AND STORAGE

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Handling : Use with adequate ventilation. Minimize dust generation and accumulation. May form flammable dust-air mixture. Avoid breathing dust or fumes. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes. Follow all MSDS and label precautions even after container is emptied since it may contain residual material.  
Storage : Store containers closed in ambient location.

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## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

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**Nylon 10-I2**

<b>Exposure Levels:</b>	OSHA (mg/m <sup>3</sup> )		ACGIH(mg/m <sup>3</sup> )	
<u>Component</u>	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
Nylon 12 powder	15	5	10	3

**Personal Protection:**

- Eye Protection : Safety glasses with side shields or goggles
- Skin Protection : Rubber gloves, wash at meals and end of shifts
- Respiratory Protection : Use NIOSH/MSHA approved air purifying respirator as needed to control exposure.
- Ventilation : Provide adequate general mechanical exhaust.
- Other Protective Equipment : A safety shower and eye wash fountain should be readily available. To identify additional personal protective equipment requirements, it is recommended that a hazard assessment in accordance with OSHA PPE Standard (29CFR1910.132) be conducted before using this material.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point (°C) : N/A	Percent Volatile By Vol. (%) : N/A
Freezing Point (°C) : N/A	Vapor Density (Air=1) : N/A
Melting Point (°C) : > 150	Evaporation Rate (Buac=1) : N/A
Vapor Pressure (mm hg) : N/A	Solubility In Water : Insoluble
Bulk Density (g/cbi.) : N/A	
Specific Gravity (H <sub>2</sub> O=1) : N/A	

**SECTION 10: STABILITY AND REACTIVITY**

- Stable : Yes
- Hazardous Polymerization : Will not occur
- Conditions To Avoid : Open flames and sparks, extreme heat, oxidizing materials
- Incompatibility : Oxidizing materials and strong caustic materials can cause a reaction.
- Hazardous Decomposition Products : Incomplete combustion can form CO, CO<sub>2</sub>, and dense smoke

**SECTION 11: TOXICOLOGICAL INFORMATION**

	<u>Nylon 12</u>	<u>Isopropyl Titanium Triisostearate</u>
Skin Irritation	: Primary dermal irritation in rabbits – primary irritation index: 0.00, non irritant	0.4 (Draize)0-- Mild irritation
Eye Irritation	: Primary ocular irritation average Draize scores = 0.3, 24hrs 0.0, 48hrs 0.0, 72hrs.	11.2 (Modified Kay and Calandra) Minimal irritant
Oral Toxicity (rat)	: LD <sub>50</sub> > 5 g/kg	LD <sub>50</sub> >2,000 mg/kg
Sensitization	: No data	none

**SECTION 12: ECOLOGICAL INFORMATION**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

- Method of Disposal : Dispose of in accordance with all applicable federal, state, and local regulations. Material may be sent to an approved landfill or licensed treatment, storage, and disposal facility.

**SECTION 14: TRANSPORT INFORMATION**

U.S. DOT Transport Information  
 Proper Shipping Name: Not regulated

**SECTION 15: REGULATORY INFORMATION**

**U.S. Federal Regulations (on Nylon)**

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHC Hazard Communication Standard.

Clean Air Act Section 112:

This product contains the following components listed as Hazardous Air Pollutants:

None

This product contains the following components listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:

This product contains the following components listed as Extremely Hazardous Substances:

None

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

None

TSCA:

This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

**State Regulations (on Nylon)**

New Jersey:

This product contains the following non-hazardous components subject to disclosure under New Jersey Right-To-Know legislation:

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Pennsylvania:

This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-To-Know legislation.

	CAS Number
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California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

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**SECTION 16: OTHER INFORMATION**

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Date Prepared : November 4, 2004

Date Revised : January 16, 2003

**Note:**

The statements made here are intended to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics. This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our current knowledge.