

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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 : **CT-2 NYLON SP-500**
Chemical Name/ Synonyms : Nylon 12 (and) Chitosna
INCI Name : Nylon 12 (and) Chitosna

SECTION 2: COMPOSTION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>EINECS #</u>
Nylon 12	25038-74-8	polymer
Chitosan	9012-76-4	

SECTION 3: HAZARD IDENTIFICATION

No particular danger

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Toxicity Data:

Effects of Overexposure to Dust : 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 : Inhalation or 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 soap and water for at least 15 min.
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 to drink, induce vomiting, and call physician.

SECTION 5: FIRE FIGHTING MEASURES

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.
Unusual Fire And Explosion Hazards : May burn or explode upon ignition if suspended in air as a dust.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Avoid skin and eye contact
Environmental Precautions: : Prevent material from contaminating soil or entering sewerage and drainage systems.
Spill response : Use appropriate NIOHS/MSHA approved respirator. Wear chemical gloves, goggles, and lab coat. Carefully contain spilled material . Deposit spilled material in appropriate waste container. Wash spill area with soap and water.

SECTION 7: HANDLING AND STORAGE

Handling : Use with adequate ventilation. 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.

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Storage : Store containers closed in ambient location.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels:	OSHA	ACGIH
<u>Component</u>	<u>TWA</u> <u>PEL</u>	<u>TWA</u> <u>TLV</u>
No information available		

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.

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) : 173 °C	Evaporation Rate (Buac=1) : N/A
Vapor Pressure (mm hg) : N/A	Solubility In Water : N/A
Bulk Density (g/cbi.) : N/A	Appearance & Odor : Off white powder
Specific Gravity (H ₂ O=1) : > 1.0	Odorless

SECTION 10: STABILITY AND REACTIVITY

Stable : Yes
 Hazardous Polymerization : Will not occur
 Conditions To Avoid : None
 Incompatibility : strong oxidizing agents, strong caustic or acidic solutions
 Hazardous Decomposition Products : CO, CO₂

SECTION 11: TOXICOLOGICAL INFORMATION

Nylon:

Skin Irritation : Primary dermal irritation in rabbits - primary irritation index: 0.00, non irritant
 Eye Irritation : Primary ocular irritation, average Draize scores = 0.3, 24hrs 0.0, 48hrs 0.0, 72hrs.
 Oral Toxicity : LD₅₀ > 9.6 g/kg
 Sensitization : No data

CT-2 SP-500:

Mutagenicity : Non toxic to stain TA100 at dose of 156~5000µ grams/plate, both in the absence and presence of rat liver S9 metabolic activation system. No mutagenic activity was seen at doses of 156~5000 µ grams/plate.
 Oral Toxicity : LD₅₀>9.6 g/kg (mouse)

SECTION 12: ECOLOGICAL INFORMATION

No Data

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

Classification: Non-hazardous

SECTION 15: REGULATORY INFORMATION

Label Name : **CT-2 NYLON SP-500**

SECTION 16: OTHER INFORMATION

Date Prepared : June 2, 2001

Last Revised : January 10, 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.