

## MATERIAL SAFETY DATA SHEET

Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200

## IDENTITY(As Used on Label and List)

LESY BOND A

## Section I

Manufacturer's Name NITTA CORPORATION	Emergency Telephone Number 1-770-497-0212 (NITTA CORPORATION OF AMERICA, GA, USA)
Address(Number,Street,City,State,and ZIP Code) 4-26, SAKURAGAWA 4-CHOME, NANIWA-KU, OSAKA, 556-0022, JAPAN	Telephone Number for Information 81-6-6563-1225 (NITTA CORPORATION, OSAKA, JAPAN)
	Date Prepared 06. NOV. 2002
	Signature of Preparer(optional)

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity ; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Methanol(Me) CAS No. 67-56-1	TWA 200ppm	TWA STEL 200ppm 250ppm (262mg/m3)(328mg/m3) (SKIN)	MSHA-TWA 200ppm (260mg/m3) (SKIN) DOT Flammable Liquid NIOSH REL TWA 200ppm CL 800ppm/15M	67
Polyamide 24993-04-2	None	None	None	20

## Section III - Physical/Chemical Characteristics

Boiling Point	64.7 °C(Me)	Specific Gravity (H2O = 1)	0.79(Me)
Vapor Pressure(mm Hg)	95mmHg at 20°C(Me)	Melting Point	-79.5 °C(Me)
Vapor Density(AIR = 1)	1.1(Me)	Evaporation Rate (Butyl Acetate = 1)	3.7(Me)
Solubility in Water	Free(Me)		

## Appearance and Odor

Clear , Viscous Solution , Slightly Alcoholic Odor

## Section IV - Fire and Explosion Hazard Data

Flash Point(Method Used) 11°C(Me) (Closed Cup)	Flammable Limits Vol%	LEL 6 (Me)	UEL 36 (Me)
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## Extinguishing Media

Water Spray , Foam , Carbon Dioxide

## Special Fire Fighting Procedures

Wear Rubber Gloves, Safety Goggles with Face Shield, Protective Clothing and self-contained Breathing Apparatus

## Unusual Fire and Explosion Hazards

None under Normal Conditions except for Exposing to Heat or Flame.

Combustion Products may be Toxic.

Section V – Reactivity Data			
Stability	Unstable		Condition to Avoid
	Stable	x	

Incompatibility ( Materials to Avoid ) Strong Oxidizer

Hazardous Decomposition or Byproducts  
 Combustion will product CO2 ( and probably CO ) and Nitrogen Oxides.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	x	

**Section VI – Health Hazard Data**

Route(s) of Entry:	Inhalation ?	Skin ?	Ingestion ?
	x	x	x

Health Hazards (Acute and Chronic)  
Eye ; Irritant (Rabbit)
Skin ; Irritant (Rabbit)  
 Toxic ; LD50 (Oral-Rat) 13 g/kg (Me)

Carcinogenicity:	NTP ?	IARC Monographs?	OSHA Regulated?
	None	None	None

Signs and Symptoms of Exposure  
 Excessive Exposure can result in Irritating to Eyes and Skin.

Medical Conditions  
 Generally Aggravated by Exposure  
 Headache, Drowsy, Nausea, Visual Disturbance as Center, Autonomic Nerve Disturbances.

Emergency and First Aid Procedures In case of contact, immediately flush eyes or skin with plenty of water at least 15min. Call a physician. If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. If inhaled,remove to fresh air. Call a physician.

**Section VII – Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled  
 Remove all sources of ignition. Use water spray to reduce vapors.  
 Take up with sand or absorbent materials. Sweep or shovel into approved disposal container.  
 flush area with water.

Waste Disposal Method  
 Burn in controlled incinerator or decompose in activated sludge type waste treatment plant.  
 Dispose in accordance with Federal, State and Local Regulations.

Precautions to Be Taken in Handling and Storing  
 Store in cool, dry, dark and well-ventilated place.  
 Do not use near heat, sparks and flames. Keep the bottle closed when not in use.

Other Precautions  
 Avoid contact with skin or eyes, breathing vapor or mist.

**Section VIII – Control Measures**

Respiratory Protection (Specify Type)  
Use adequate ventilation in working area

Ventilation	Local Exhaust	Special
	Mechanical(General)	Acceptable
	Preferred	Preferred

Protective Gloves	Rubber Gloves	Eye Protection	Safety Goggles
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Other Protective Clothing or Equipment  
Protective Clothing

Work/Hygienic Practices  
 Not Known