

MATERIAL SAFETY DATA SHEET

Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200

IDENTITY (As Used on Label and List)					
POLY BOND A					
Section I					
Manufacturer's Name NITTA CORPORATION OF AMERICA			Emergency Telephone Number 1-770-497-0212 (NITTA CORP. OF AMERICA, GA, USA)		
Address (Number, Street, City, State, and ZIP Code) 7605 NITTA DRIVE SUWANEE, GA 30024 USA			Telephone Number for Information 81-6-6563-1225 (NITTA CORPORATION, OSAKA, JAPAN)		
			Date Prepared 21. OCT. 2009		
			Signature of Preparer (optional)		
Section II - Hazardous Ingredients/Identity Information					
Hazardous Components					
(Specific Chemical Identity ; Common Name(s))	CAS No.	OSHA PEL	ACGIH TLV TWA STEL	Other Limits Recommended	% (optional)
Resorcinol (Re)	108-46-3	None (45mg/m3) (90mg/m3)	10ppm 20ppm	None	60
Methanol (Me)	67-56-1	200ppm 250ppm (262mg/m3) (328mg/m3)	(SKIN)	MSHA-TWA 200ppm (260mg/m3) (SKIN)	30
			TWA 200ppm	DOT Flammable Liquid NIOSH REL TWA 200ppm CL 800ppm/15M	
Polyamide	25038-54-4	None	None	None	10
Section III - Physical/Chemical Characteristics					
Boiling Point	281 °C (Re) 64.7 °C (Me)	Specific Gravity (H2O = 1)	1.29 (Re) 0.79 (Me)		
Vapor Pressure (mm Hg)	1mmHg at 108°C (Re) 95mmHg at 20°C (Me)	Melting Point	109-110 °C (Re) -79.5 °C (Me)		
Vapor Density (AIR = 1)	3.8 (Re) 1.1 (Me)	Evaporation Rate (Butyl Acetate = 1)	Not Applicable (Re) 3.7 (Me)		
Solubility in Water	123 g/100cc Water at 20°C (Re) Free (Me)				
Appearance and Odor Brown, Viscous Solution, Slightly Alcoholic, Phenolic Odor					
Section IV - Fire and Explosion Hazard Data					
Flash Point (Method Used) 127°C (Re), 11°C (Me) (Closed Cup)	Flammable Limits Vol.		LEL 6 (Me)	UEL 36 (Me)	
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 (Re)None under Normal Conditions. When Exposed to Heat or Flame, can React with Oxidizing Materials. (Me)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	×	
Incompatibility (Materials to Avoid)			
Moisture, 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	×	
Section VI—Health Hazard Data			
Route(s) of Entry:	Inhalation ?	Skin ?	Ingestion ?
	×	×	×
Health Hazards (Acute and Chronic)			
Eye ; Irritant (Rabbit)		Skin ; Irritant (Rabbit)	
Toxic ; LD50 (Oral-Rat) 345mg/kg (Re)			
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. Avoid moisture, exposing to light and contacting with metals such as iron or copper. Do not use near heat, sparks and flames.			
Other Precautions			
Keep the bottle closed when not in use. Avoid contact with skin or eyes, breathing vapor or mist.			
Transport information			
UN number : 1992 (FLAMMABLE LIQUID, N. O. S.) Packaging group : II Label : 3			
Observe the Defence Law.			
Containers must be piled firmly and orderly to avoid falling, tumbling and breaking.			
Section VIII—Control Measures			
Respiratory Protection (Specify Type)			
Use adequate ventilation in working area			
Ventilation	Local Exhaust	Special	
	Acceptable	Preferred	
	Mechanical (General)	Other	
	Preferred	Preferred	
Protective Gloves	Rubber Gloves	Eye Protection	Safety Goggles
Other Protective Clothing or Equipment			
Protective Clothing			
Work/Hygienic Practices			
Not Known			