

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY

BioSpan® Segmented Polyurethane Solution

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name The Polymer Technology Group	Emergency Telephone Number 1(800) 424-9300
Address (Number, Street, City, State, and ZIP Code) 2810 7th Street Berkeley, CA 94710	Telephone Number for Information (510) 841-8800
	Date Prepared 4/8/93
	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)
1. N,N-Dimethylacetamide (DMAC)	10 ppm(TWA)	10 ppm(TWA)		75 - 85

Section III - Physical/Chemical Characteristics

Boiling Point	166°C	Specific Gravity (H2O = 1)	0.94
Vapor Pressure (mm Hg)	1.5 @ 20°C	Melting Point	- 20°C
Vapor Density (AIR = 1)	3	Evaporation rate (Butyl Acetate = 1)	< 0.17
Solubility in Water	Miscible in water.		
Appearance and Odor	Faint ammonia odor.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 66 °C	Flammable Limits in air % by volume	LEL 1.8 @ 100°C	UEL 11.5 @ 160°C
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Extinguishing Media

Dry chemical, foam, or carbon dioxide. Water spray may be used to keep fire-exposed containers cool. Do not use halogenated extinguishing media.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Stable under ordinary conditions of use and storage.

Incompatibility (Materials to Avoid)

Oxidizing agents, halogenated compounds, iron plus halogenated compounds.

Temperatures >350°C cause decomposition and develop pressure in closed containers.

Hazardous Decomposition or By-products

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	This substance does not polymerize.

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	irritation
	Skin?	redness, sensitization
	Ingestion?	cramps, vomiting, sweating, headache

Health Hazards (Acute and Chronic)

Prolonged or repeated exposure may cause liver damage with yellow jaundice.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure

Medical Conditions

Generally Aggravated by Exposure

Persons with pre-existing liver damage may be more susceptible to the effects of this material.

Emergency and First Aid Procedure

If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down the throat. Never give anything to an unconscious person. If inhaled, remove to fresh air. Flush skin or eyes with plenty of water for at least 15 minutes. In all cases 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. Clean-up personnel require protective clothing and respiratory protection from vapors. Use water spray to disperse the vapors and to protect people from attempting to stop the leak. Water may be used to flush spills away from exposures and to dilute spills to non-flammable mixtures. Absorb liquid spills with a dry absorbent.

Waste Disposal Method

Dispose of material in an approved waste facility or atomize in a suitable combustion chamber equipped with an appropriate effluent gas cleaning device. Ensure compliance with local, state, and federal regulations.

Precautions to be Taken in Handling and Storage

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Full facepiece chemical cartridge respirator or a supplied air full facepiece respirator.

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves

Latex or rubber.

Other Protective Clothing or Equipment

Chemical safety goggles. Impervious protective clothing.

Work/Hygienic Practices
