

# Material Safety Data Sheet

May be used 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** (As Used on Label and List)

NEGATIVE RESIST NR71-1500P

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 Futurrex, Inc.	Emergency Telephone Number 800-535-5035
Address ( Number, Street, City, State and ZIP Code ) 12 Cork Hill Road  Franklin , New Jersey 07416	Telephone Number for Information 973-209-1563  Date Prepared 1/2/2009  Signature of Prepare (optional)

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	CAS No.	Concentration (%)
Gamma-Butyrolactone	Not established		96-48-0	50-70
Resins	N.A.	N.A.	*	34-40
Sensitizers	N.A.	N.A.	*	<16

\*All Components of the product are registered in the Chemical Substance Inventory according with the Toxic Substance Control Act.

**Section III - Physical/Chemical Characteristics.**

Boiling Point (°C)	204-206	Specific Gravity (H2O=1)	> 1
Vapor Pressure (millibars) (20°C)	0.4	Melting Point (°C)	-43.5
Vapor Density (AIR-1)	> 1	Evaporation Rate (Butyl Acetate=1)	< 1

Solubility in Water

Negligible

Appearance and Odor

Yellow liquid. Characteristic odor.

**Section IV- Fire and Explosion Hazard Data**

Flash Point ( Method Used ) 100-101°C (DIN 51 758)	Flammable Limits. (% volume in air)	LEL 2.7	UEL 15.6
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Extinguishing Media.

Carbon dioxide, dry chemical media, alcohol-type or all-purpose-type foam.

Special Fire Fighting Procedures .

Use water spray to cool fire-exposed containers and structures. Use self contained breathing apparatus and protective coating.

Unusual Fire and Explosion Hazard.

Flammable vapors may be heavier than air and may travel long distance along the ground before igniting and may flash back to the vapor source.

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	Avoid heat, sparks, open flame and contact with strong oxidizing agents.
Incompatibility (Materials to Avoid)			
Hazardous Decomposition or Byproducts.			
Hazardous Polymerization	May Occur		Conditons to Avoid
	Will Not Occur	X	Avoid Heat
Section VI - Health Hazard Data			
Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes
Health Hazards (Acute and Chronic)			
Inhalation: may be slightly irritating. Skin contact: may cause defatting and drying. Ingestion: liquid ingestion may result in vomiting			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No
Signs and Symptoms of exposure			
Inhalation: may cause dizziness, nausea and confusion. Eyes and skin: may cause irritation.			
Emergency and First Aid Procedures			
Inhalation: remove victim to fresh air. Skin contact: wash with soap and water. Ingestion: Do not induce vomiting. Get medical attention.			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled			
Take up spill with absorbent material and place in non-leaking containers; seal tightly for proper disposal.			
Waste Disposal Method			
Place in a disposal facility approved under RCRA regulation for hazardous waste.			
Precautions to Be Taken in Handling and Storing			
Keep away from, sparks and open flames. Keep containers tightly closed. Store away from strong oxidizing agents in a cool and dry place.			
Other Precautions			
None.			
Section VIII - Control Measures			
Respiratory Protection (Specify Type)			
Use NIOSH- approved respirator if exposure exceeds exposure limits.			
Ventilation	Local Exhaust		Special
	Face velocity 60 fpm in confined space.		Use with exhaust equipment with discharge to outdoors.
	Mechanical (General)		Other
	Explosion-proof ventilation equipment.		No smoking or open flames.
Protective Gloves			Eye Protection
Chemically resistant gloves.			Chemical splash goggles or face shield.
Other Protective Clothing or Equipment			
Usually not needed			
Work/Hygenic Practices			
Follow regulations appropriate for handling flammable chemicals.			
Section IX - HMIS Hazard Rating Scale			
Health: 3 Flammability: 1 Reactivity: 0			