

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 NR4-8000P

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

973-579-1324

Address (Number, Street, City, State and ZIP Code)

12 Cork Hill Road

Telephone Number for Information

973-579-1324

Franklin, New Jersey 07416

Date Prepared

1/2/04

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	CAS No.	Concentration (%)
Cyclohexanone	25 ppm	25ppm	108-94-1	44-55
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)	155	Specific Gravity (H ₂ O=1)	<1
Vapor Pressure (mm Hg) (20°C)	2	Melting Point (°C)	-47
Vapor Density (AIR-1)	3.4	Evaporation Rate (Butyl Acetate=1)	0.31

Solubility in Water

Negligible

Appearance and Odor

Yellow liquid. Characteristic odor.

Section IV- Fire and Explosion Hazard Data

Flash Point (Method Used) 44°C (TCC)	Flammable Limits. (% volume in air)	LEL 1.1	UEL 12.8
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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
			Avoid heat, sparks, open flame and contact with strong oxidizing agents.
	Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts.

Hazardous Polymerization	May Occur		Conditons to Avoid
			Avoid Heat
	Will Not Occur	X	

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 Face velocity 60 fpm in confined space.	Special Use with exhaust equipment with discharge to outdoors.
	Mechanical (General) Explosion-proof ventilation equipment.	Other No smoking or open flames.

Protective Gloves

Chemically resistant flovles.

Eye Protection

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: 1 Flammability: 2 Reactivity: 0